

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

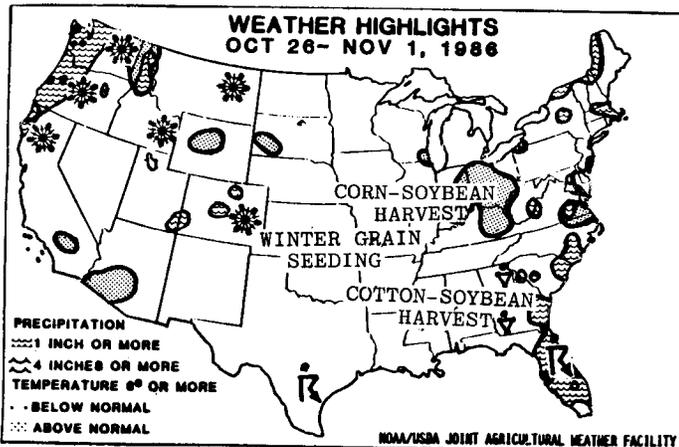
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National Weather Summary

October 26 to November 1, 1986



WEDNESDAY...Cold air moved into the northern Plains and spread into the Great Lakes region. Showers were scattered along the cold front until it moved to the eastern Great Lakes where showers were widespread to the upper Ohio Valley and the Appalachians. Light to moderate showers fell along the southeastern coast from the Carolinas through Florida. Another storm system moved into the Pacific Northwest and spread strong winds and showers to western Montana.

THURSDAY...The colder air spread over the Great Lakes and much of the Midwest. Only a few showers fell in the northern Appalachians, along the southeastern coast, and in Florida. A vigorous storm moved into the Northwest spreading rain along the coast and snow in the Cascades and northern Rockies. Gusty winds accompanied the snow that reached eastward to eastern Montana.

FRIDAY...The active frontal system from the Pacific moved to a line from northern Michigan to Colorado and Utah. Showers were generally light along the front, but some moderate rain or snow fell in Colorado and Utah. High winds, cold rain, or snow stressed livestock in the High Plains. A disturbance in the Southeast spread showers through the Carolinas, Georgia, and Florida.

SATURDAY...The cold front moved to a line from the northern Appalachians to New Mexico. Morning temperatures were in the teens across the northern Plains. Moderate to heavy snow covered the mountains from Colorado and Utah to New Mexico and Arizona. Wind, cold rain, or snow prevailed in the High Plains from Texas to Nebraska. Light rain covered the East Coast States.

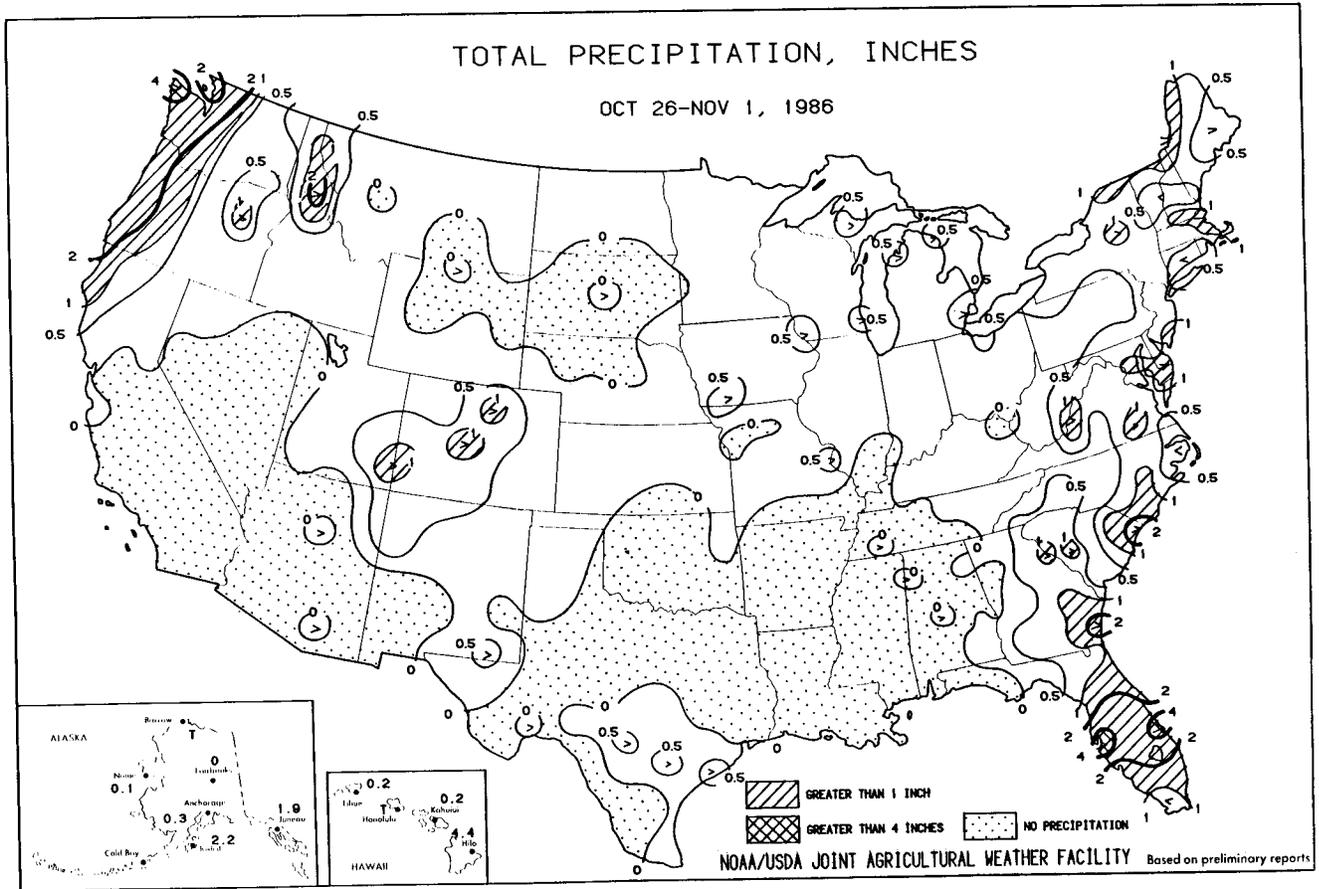
HIGHLIGHTS: Pacific storms brought moderate to heavy rain to the Northeast coast and snow to the Cascades, Rockies, and High Plains from Nebraska northward. Rainshowers fell at the lower elevations of Arizona and New Mexico. Thunderstorms produced rainshowers in southern Texas, and rain covered the northeastern quarter of the Nation. Rainshowers fell along the southeastern coast and through Florida. Cold rain, high winds, and snow required livestock advisories to be issued for the High Plains. Average temperatures were warmer-than-normal in nearly all of the Nation in spite of the Saturday morning temperatures that were in the teens over the northern Plains.

SUNDAY...A slow-moving frontal system spread rain across the Midwest and Atlantic Coast States. Most of the Great Plains remained dry except for scattered afternoon thundershowers in southern Texas. In the far West, a Pacific storm caused widespread rain and scattered thundershowers along the northwestern coast.

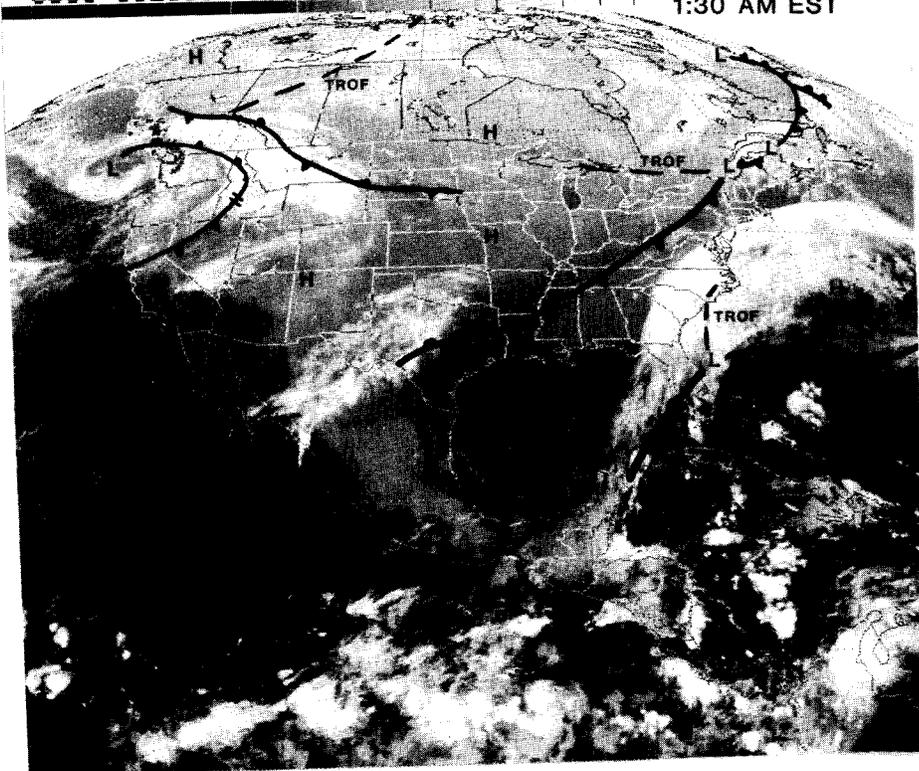
MONDAY...The frontal system continued to spread light to moderate rain over the Ohio Valley, lower Great Lakes, and east coast as it drifted into the Atlantic Ocean. The Pacific storm moved inland bringing light rain to all of the Northwest. Some freezing weather was reported in the northern Plains and western Great Lakes region.

TUESDAY...The Pacific storm moved into the Plains and dissipated while the eastern frontal system moved into the Atlantic leaving most of the Nation dry. A few showers fell from the central to the northern Appalachians and in southern Florida.

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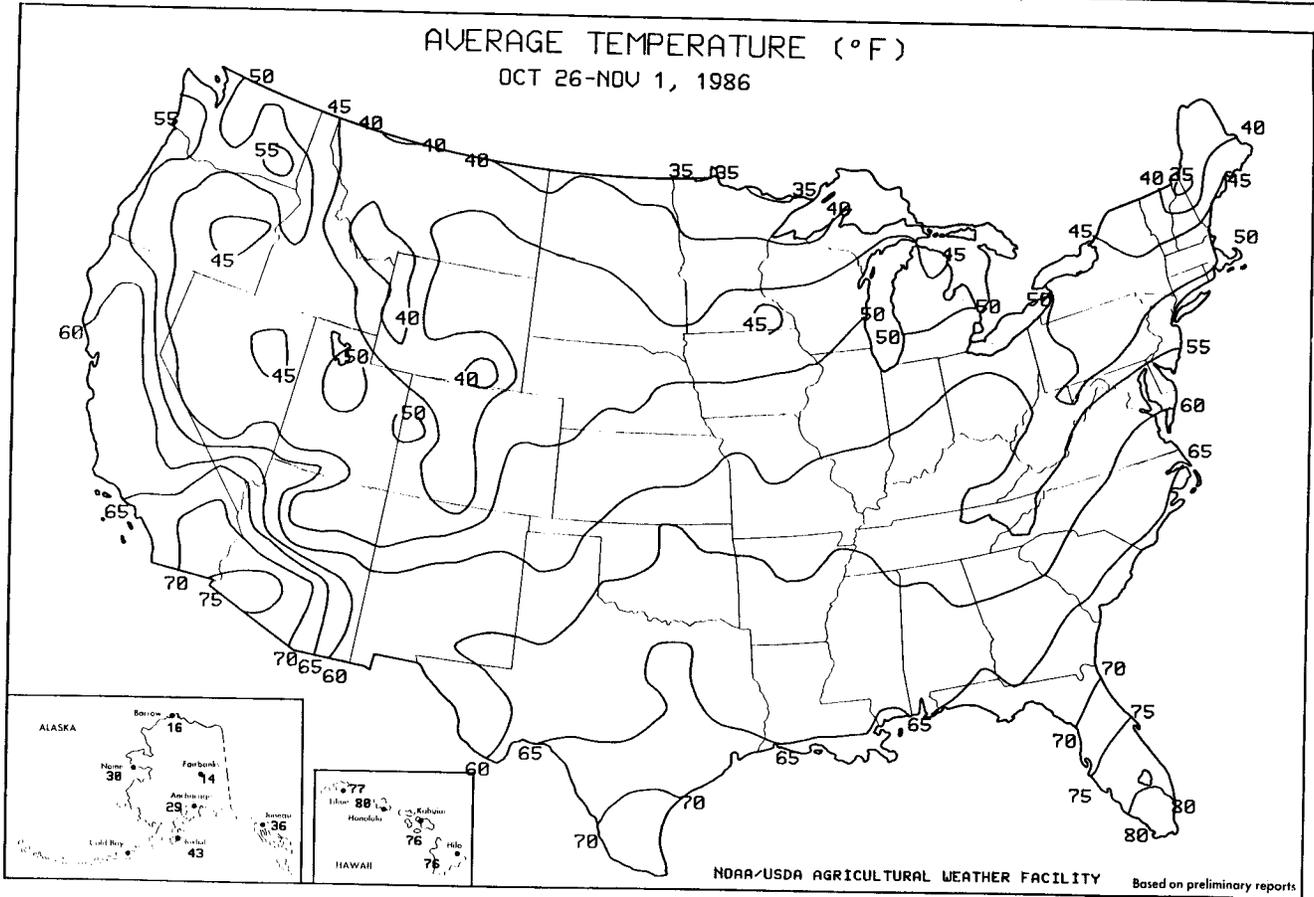
0630 300C86 28E-4ZA 00502 19301 UC6 OCT. 30, 1986
1:30 AM EST



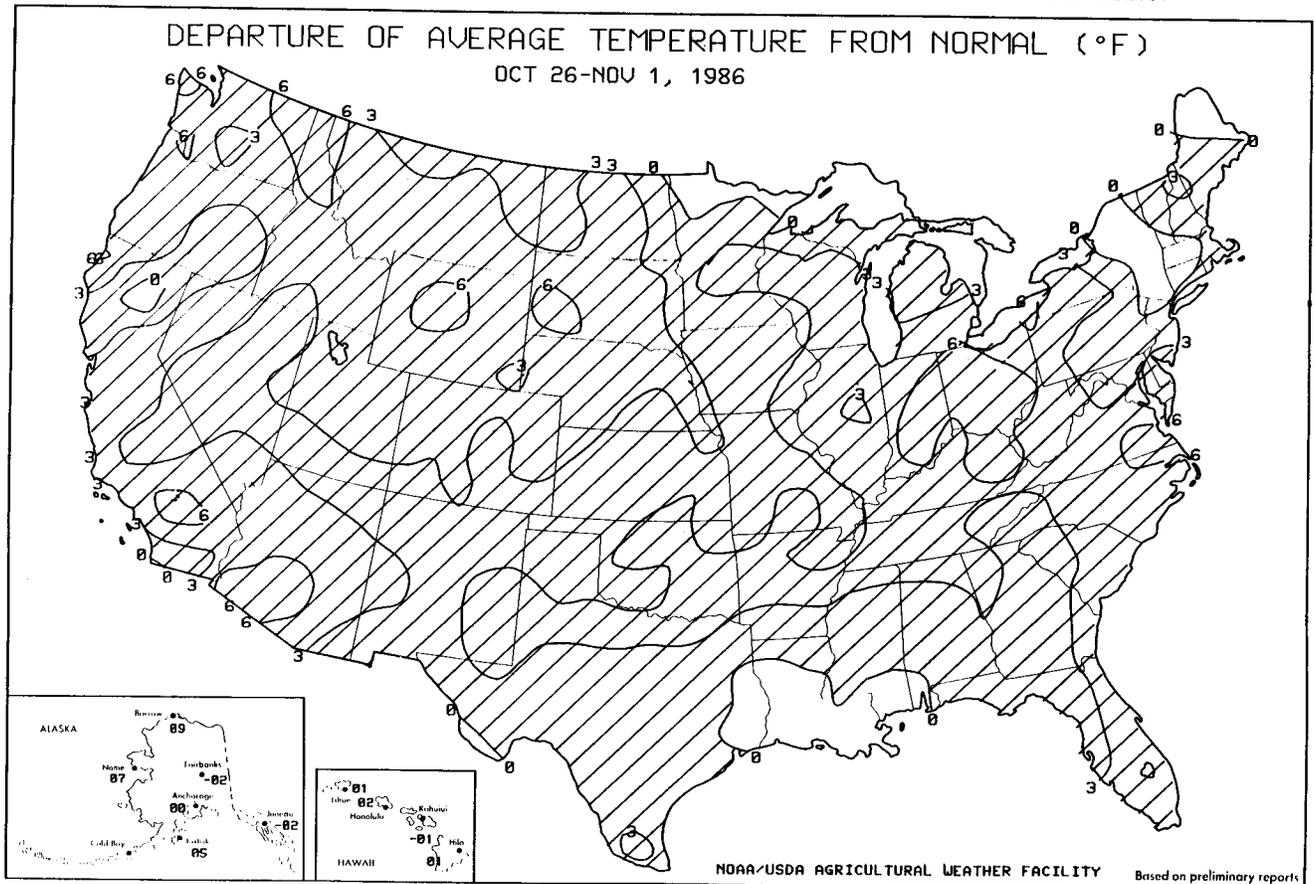
SHOWERS ARE ALONG THE ATLANTIC SEABOARD FROM THE CAROLINAS TO THE SOUTHERN TIP OF FLORIDA. THE STATIONARY FRONTAL SYSTEM BRINGS PERSISTENT RAIN EXTENDING FROM THE EASTERN YUCATAN TO FLORIDA.

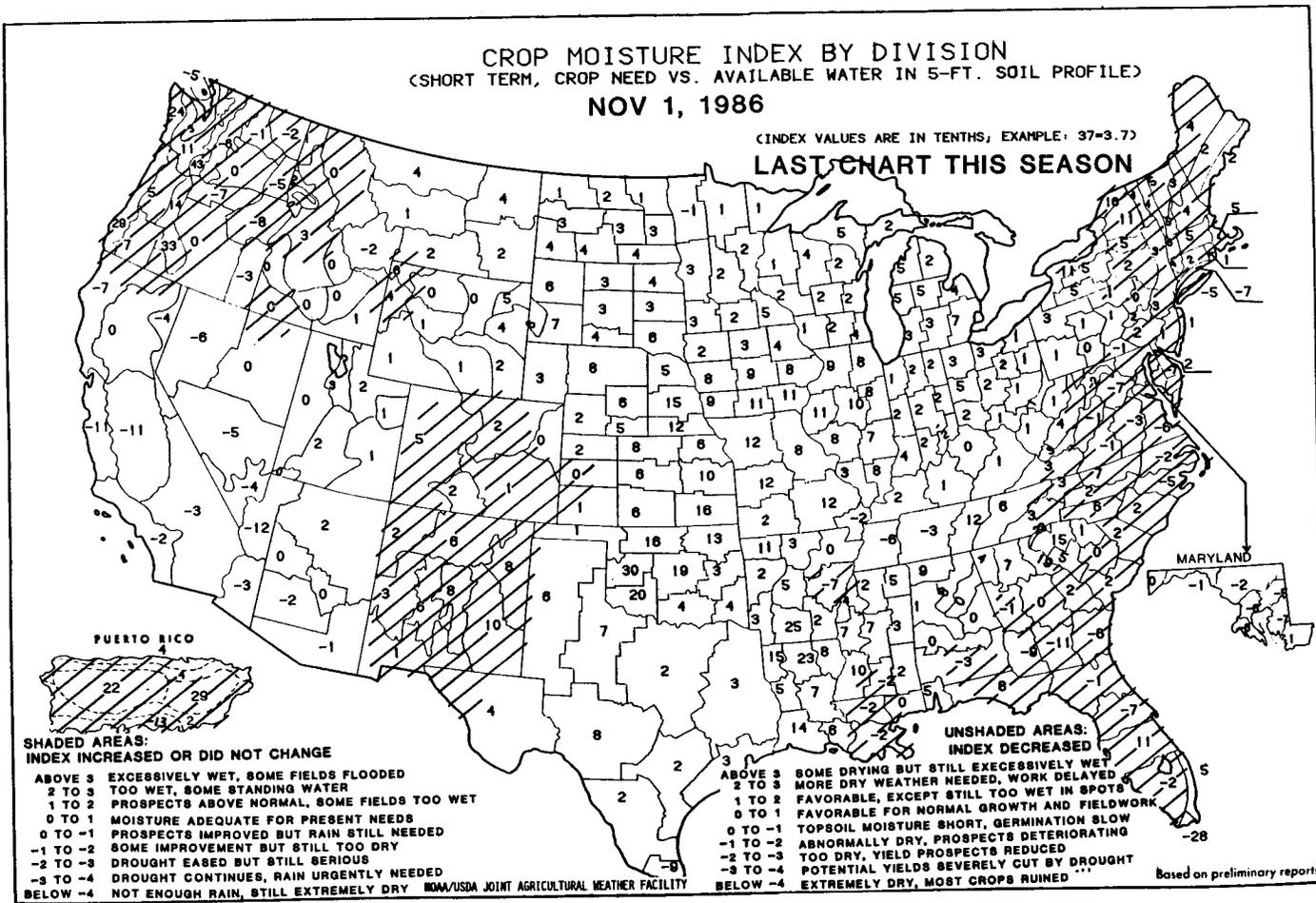
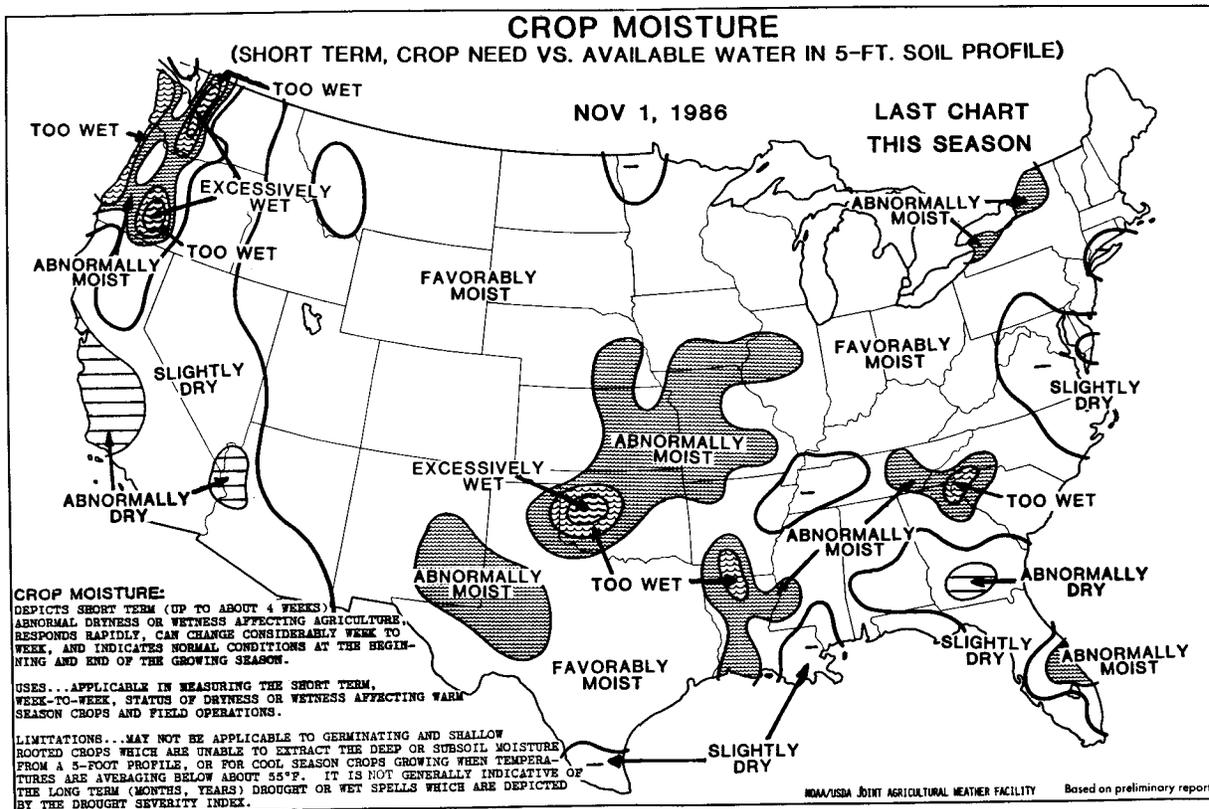
COLD DRY AIR DESCENDS OVER THE GREAT LAKES INTO THE NORTH-CENTRAL UNITED STATES.

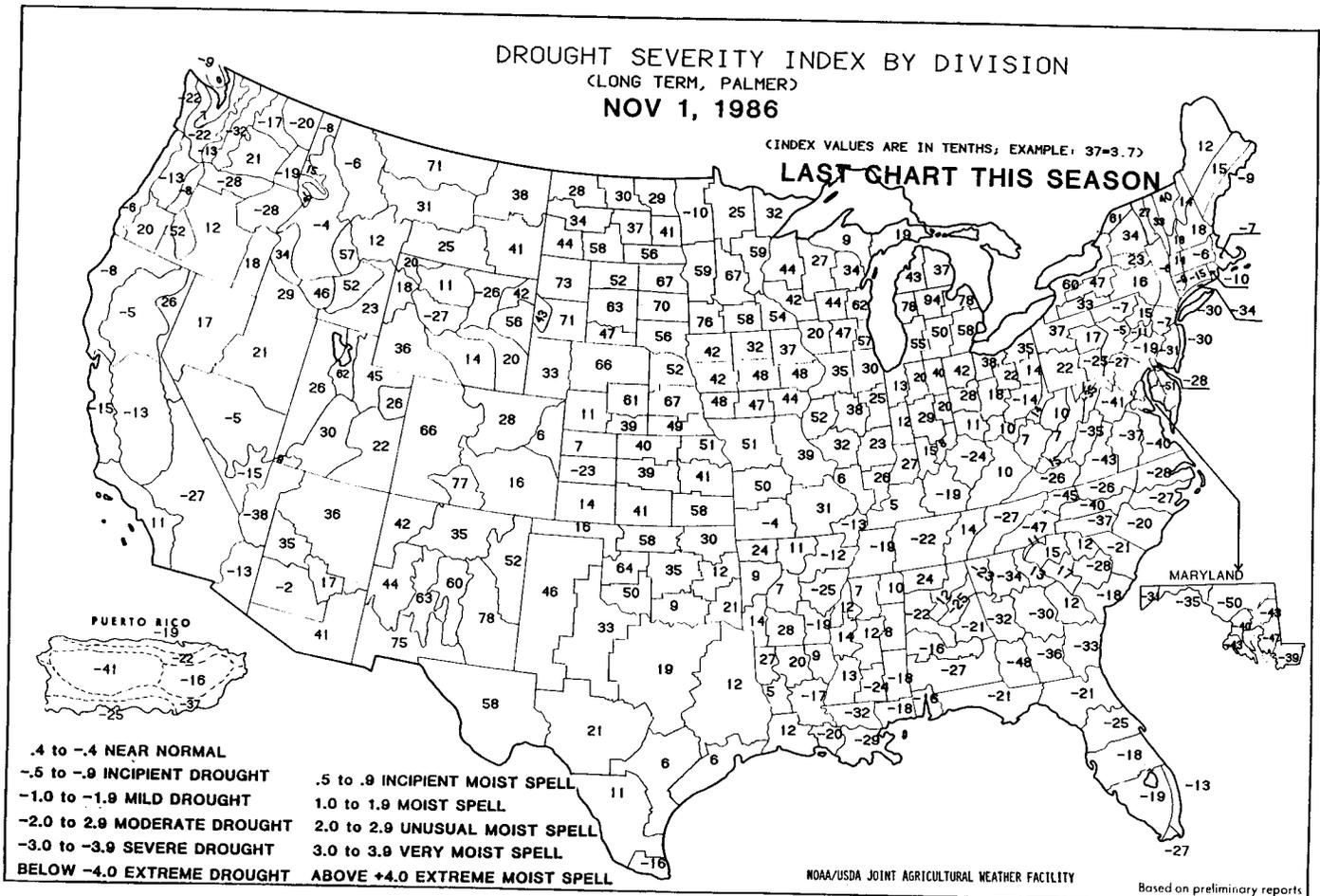
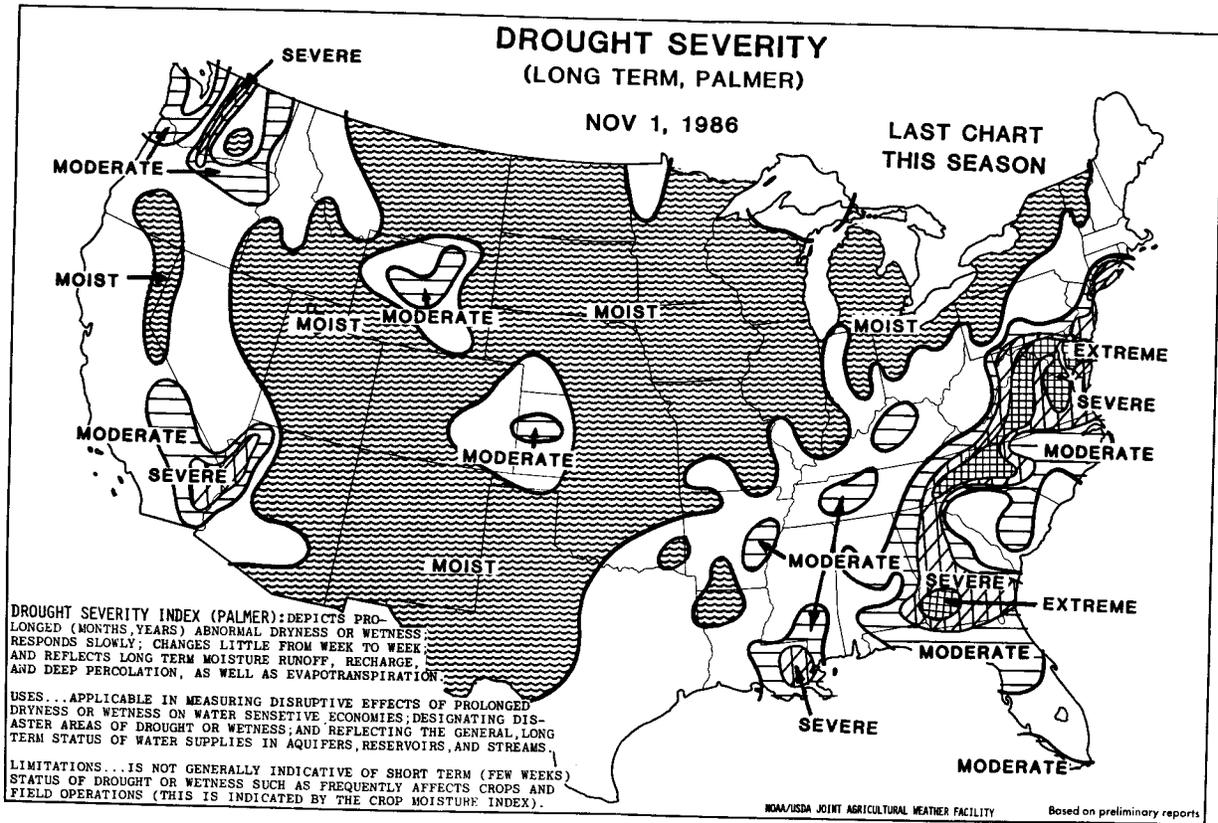
A STRONG STORM SYSTEM BRINGS HIGH WIND AND WIDESPREAD RAIN AND SNOW TO THE PACIFIC NORTHWEST.

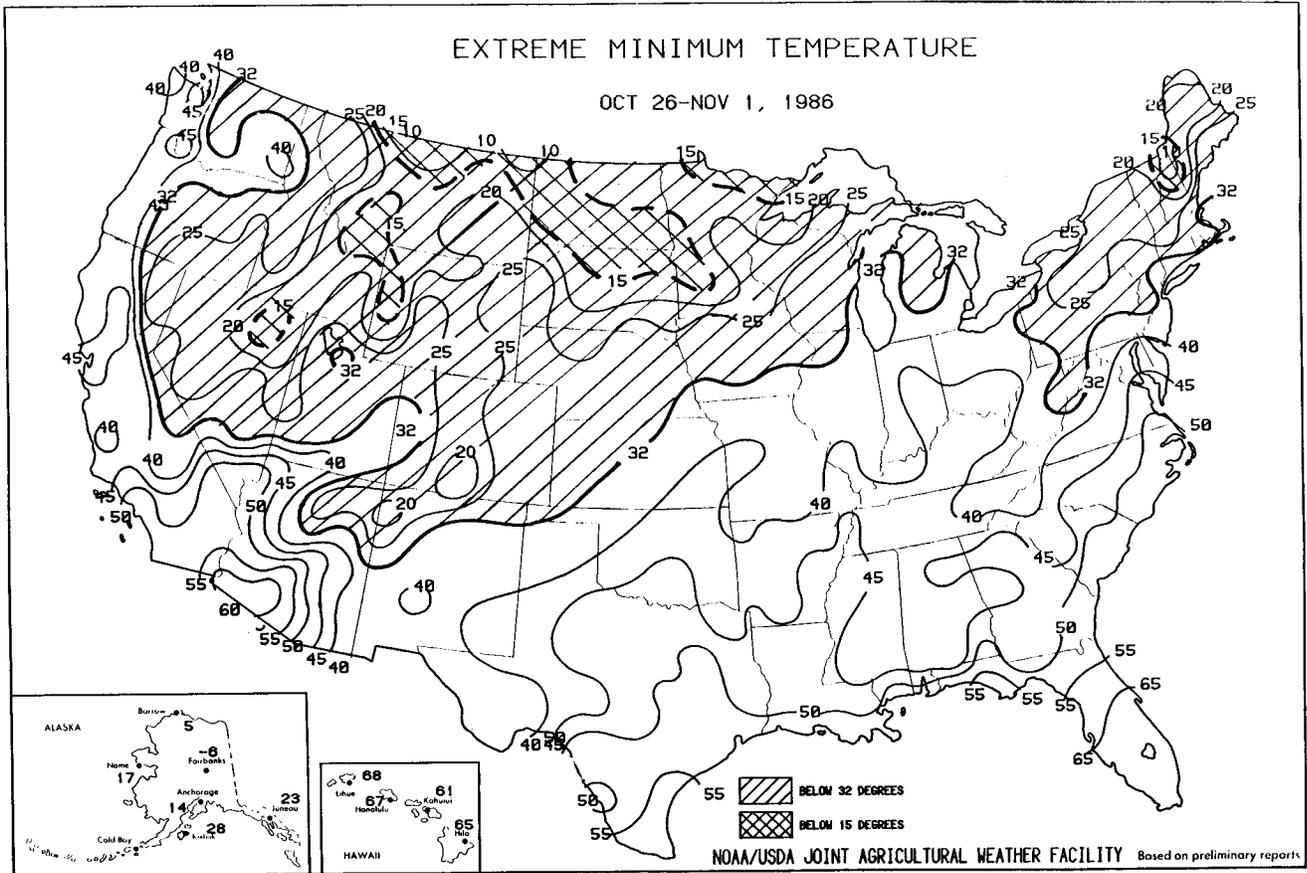
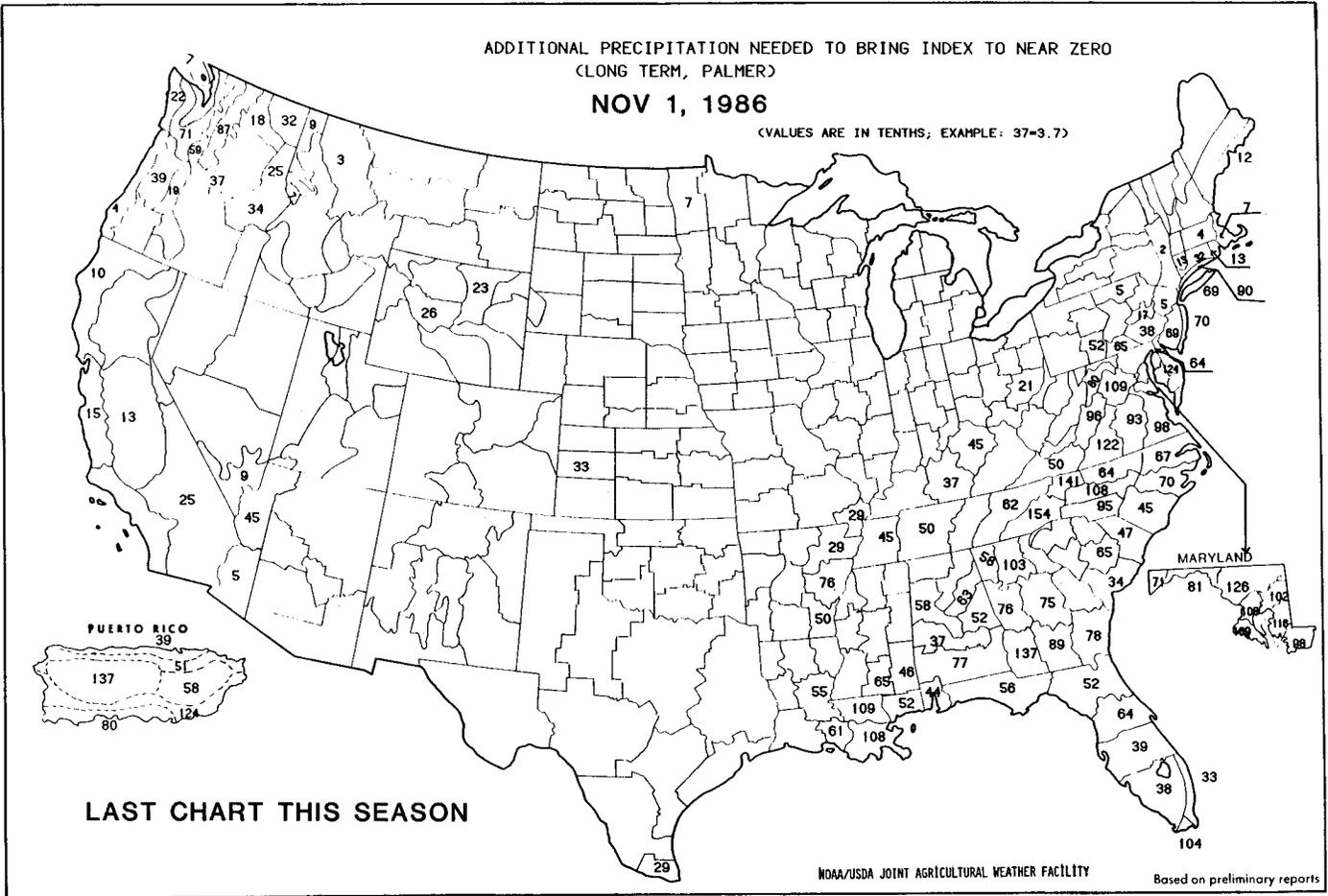


Point values may differ on these computerized maps from the reported values in the tables.









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 11-1-1986
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	CUM DEV FROM L YR	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	CUM DEV FROM L YR
AL BIRMINGHAM	BHM	24	-28	4	110	-42	28	-28	34	MT HALLSPELL	FCA	160	-35	-38	1259	-7	-200	-1	-14
AL MOBILE	MOB	12	-14	10	44	-10	19	**	**	MT HILES CITY	MLS	195	-28	14	794	-1	-138	0	-15
AL MONTGOMERY	MGM	21	-19	11	76	-17	43	**	**	MT MISSOULA	MSD	154	-22	-5	1110	39	-207	4	-16
AK ANCHORAGE	ANC	253	-1	-101	1827	-144	-282	-7	-13	NE GRAND ISLAND	GR1	104	-29	-2	500	-32	-151	-6	-23
AK BARROW	BRW	339	-65	-135	3867	-445	-538	-10	-12	NE LINCOLN	LNK	92	-29	-5	420	-47	-149	-7	-21
AK FAIRBANKS	FAI	358	12	-156	2161	-145	-298	-6	-12	NE NORFOLK	OFK	108	-29	-14	555	-41	-149	-7	-21
AK JUNEAU	JNU	203	13	-3	1579	-252	-319	-14	-17	NE NORTH PLATTE	LBF	109	-40	-28	589	-66	-212	-10	-26
AK KODIAK	ADD	155	-32	-121	1747	-142	-246	-8	-12	NE OMAHA	ON4	100	-17	5	443	10	-137	2	-24
AK NONE	AKN	0	0	0	0	0	0	0	0	NE SCOTTSBLUFF	BFF	123	-24	0	692	24	-163	4	-19
AZ FLAGSTAFF	OME	246	-50	-142	2703	-86	-101	-3	-4	NE VALENTINE	VTN	115	-39	7	741	54	-67	8	-8
AZ PHOENIX	PHX	0	-10	0	1120	205	166	22	17	NV LAS VEGAS	LAS	5	-2	0	1108	160	40	17	4
AZ PRESCOTT	PRC	67	-38	4	507	119	9	**	**	NV RENO	RNO	104	-31	-2	69	0	37	**	**
AZ TUCSON	TUS	0	-18	-6	11	-21	-4	**	**	NV WASHINGTON	WMC	111	-37	-43	859	97	-10	13	-10
AZ WINSLOW	INW	71	-22	6	441	143	78	48	21	NH CONCORD	CON	145	-3	-11	933	141	196	18	27
AZ YUMA	YUM	0	-6	0	0	-9	0	**	**	NH CLARENDON	ACY	74	-24	-27	390	50	95	15	32
AR FORT SMITH	FSM	28	-31	-33	121	-44	-52	-27	-30	NH ALBUQUERQUE	ABQ	73	-21	14	370	101	67	38	22
AR LITTLE ROCK	IMI	23	-31	-26	107	-42	-29	-28	-21	NH BOSTON	BOS	45	-41	-22	223	-48	-104	-18	-32
CA BAKERSFIELD	BFL	22	-4	-6	75	21	-14	**	**	NY ALBANY	ALB	132	-1	-19	758	118	129	18	21
CA EUREKA	EKA	39	-45	-45	982	-132	24	-12	3	NY BINGHAMTON	BSM	118	-26	-15	749	6	56	1	8
CA FRESNO	FAT	12	-31	-8	41	-56	-26	**	**	NY BUFFALO	BUF	99	-28	-30	630	15	96	2	18
CA LOS ANGELES	LAX	1	-19	-5	36	-79	20	-69	125	NY NEW YORK	LGA	75	-9	-11	284	-10	65	-3	30
CA SACRAMENTO	SAC	12	-27	-18	102	9	-11	**	**	NY ROCHESTER	ROC	97	-29	-43	737	135	127	22	21
CA SAN DIEGO	SAN	4	-10	4	18	-24	15	**	**	NY SYRACUSE	SYR	114	-12	-38	707	94	117	15	20
CA SAN FRANCISCO	SFD	28	-19	-24	383	-44	69	-10	22	NC ASHEVILLE	AVL	73	-21	3	330	-26	41	-7	14
CA STOCKTON	SCK	16	-23	-27	105	23	-46	**	**	NC CARY	CAT	12	-23	11	49	-33	48	**	**
CO DENVER	DEN	112	-20	12	651	81	-43	14	-6	NC CHARLOTTE	CLT	35	-27	-6	137	-49	19	-26	16
CO GRAND JUNCTION	GJT	97	-19	16	570	161	45	39	9	NC COLUMBUS	CSO	49	-28	-26	217	-28	-10	-11	-4
CO PUEBLO	PUB	105	-14	1	546	92	-20	-9	2	NC GREENSBORO	GSO	49	-28	-26	217	-28	-10	-11	-4
CT BRIDGEPORT	BDR	94	3	-17	431	83	95	24	25	NC NEW BERN	EBN	13	-1	71	71	-61	48	-46	209
CT HARTFORD	HDR	122	3	-16	630	111	68	21	12	NC RALEIGH DURHAM	RDU	30	-39	-21	177	-30	43	-14	32
DC WASHINGTON	ILG	80	-13	-18	342	10	81	3	31	NC WILMINGTON	ILM	13	-27	6	80	-21	61	-21	32
DE WASHINGTON	DCA	57	-15	-21	231	9	61	4	36	ND BISMARCK	BIS	161	-20	-1	1004	62	-109	7	-10
FL APALACHICOLA	AQD	0	-16	0	13	-14	11	**	**	ND FARGO	FAR	176	-4	21	978	77	-87	9	-8
FL DAYTONA BEACH	DAB	0	-1	0	0	-1	0	**	**	ND GRAND FORKS	GFK	181	-9	17	1014	-27	-186	-3	-16
FL FORT MEYER	FMY	0	0	0	0	0	0	**	**	ND WILLISTON	ISN	175	-14	33	1100	96	-120	10	-10
FL JACKSONVILLE	JAX	1	-13	1	24	-3	22	**	**	OH AKRON-CANTON	CAK	81	-41	-25	487	-42	17	-8	4
FL KEY WEST	EWJ	0	0	0	0	0	0	**	**	OH CLEVELAND	CLE	77	-40	0	444	-75	-28	-14	-6
FL MIAMI	MIA	0	0	0	0	0	0	**	**	OH COLUMBUS	CMH	59	-56	-20	347	-88	8	-19	2
FL ORLANDO	MCO	0	0	0	0	0	0	**	**	OH CINCINNATI	CUG	66	-39	3	347	-38	44	-10	15
FL TALLAHASSEE	TLH	9	-14	9	54	13	43	**	**	OH DAYTON	DAY	69	-43	-8	397	-32	31	-7	8
FL TAMPA	TPA	0	-1	0	0	-1	0	**	**	OH TOLEDO	TOL	84	-46	-14	520	-48	3	-5	7
FL WEST PALM BEACH	PBI	0	0	0	0	0	0	**	**	OH YOUNGSTOWN	YNG	87	-41	-27	580	-28	37	-5	7
GA ATLANTA	ATL	29	-25	-7	129	-18	42	-12	48	OK OKLAHOMA CITY	OKC	31	-29	-24	150	-19	-76	-11	-34
GA AUGUSTA	AGS	23	-19	13	93	-21	58	-18	166	OK TULSA	TUL	38	-24	-11	157	-17	-11	-10	-7
GA MACON	MCN	23	-15	5	108	16	59	**	**	OR ASTORIA	AST	70	-35	-51	874	-17	-107	-2	-11
GA SAVANNAH	SAV	4	-23	0	54	-8	36	**	**	OR BURNS	BEW	148	-30	-43	1123	286	-185	34	-14
HI HILO-HAWAII	HIT	0	0	0	0	0	0	**	**	OR MEDFORD	MFR	81	-30	-43	32	-17	7	-3	3
HI HONOLULU-OAII	HNL	0	0	0	0	0	0	**	**	OR PENDELTON	PDT	88	-38	-42	593	32	-17	6	-18
HI KAHULUI-MAUI	OGG	0	0	0	0	0	0	**	**	OR PORTLAND	PDX	65	-38	-40	428	-117	-75	-21	-21
HI LIHUE-KAUAI	LIH	0	0	0	0	0	0	**	**	OR SALEM	SLE	78	-34	-44	609	-22	-43	-3	-7
ID BOISE	BOI	108	-22	-20	683	99	-114	17	-14	PA ALLENTOWN	ABE	110	-4	-10	520	45	86	9	20
ID LEWISTON	LWS	90	-41	-41	559	-20	-202	-3	-27	PA ERIE	ERY	73	-53	-29	483	-131	68	-21	14
ID POCATELLO	PIH	132	-24	-1	906	117	-71	15	-7	PA HARRISBURG	ERI	100	-5	3	462	66	148	17	47
IL CHICAGO	ORD	82	-39	-14	455	-16	-82	-3	-15	PA PHILADELPHIA	PHL	18	-17	-12	321	1	74	0	30
IL MOLINE	MLI	89	-32	-14	459	-9	-40	-2	-8	PA PITTSBURGH	PIT	84	-27	-22	478	-46	26	-9	6
IL PERRIA	PIA	87	-38	-5	385	-45	-21	-8	-8	PA SCRANTON	AUP	111	-14	-11	657	72	121	12	23
IL QUINCY	UTN	80	-27	-13	337	-52	-46	-13	-12	RI PROVIDENCE	PVD	107	-4	-15	560	77	126	16	29
IL ROCKFORD	RFD	99	-32	-2	561	-4	-26	-1	-4	SC CHARLESTON	CHS	6	-26	-4	60	-21	39	**	**
IL SPRINGFIELD	SPI	82	-22	3	340	-31	-4	-8	-1	SC COLUMBIA	CAE	30	-18	15	121	-10	60	-8	98
IN EVANSVILLE	EVV	60	-32	-3	272	-40	2	-13	1	SC FLORENCE	FLO	17	-25	6	99	-14	61	-12	161
IN FORT WAYNE	FWA	83	-40	-12	472	-36	21	-7	5	SC GREENVILLE	OSP	50	-12	-2	181	2	36	1	25
IN INDIANAPOLIS	IND	71	-40	-2	376	-33	24	-8	7	SD ABERDEEN	ABR	156	-14	-6	884	95	-86	12	-9
IN SOUTH BEND	SNB	94	-27	1	520	9	65	2	14	SD HURON	HON	137	-23	-15	782	42	-115	6	-13
IA DES MOINES	DSM	102	-18	9	482	26	-85	6	-15	SD RAPID CITY	RAP	11	-16	-14	823	81	-99	11	-11
IA DUBUQUE	DBQ	114	-25	1	522	-9	-128	0	-17	SD SIOUX FALLS	SFD	139	-14	-3	774	73	-131	10	-14
IA SIOUX CITY	SUX	113	-21	-1	553	11	-137	2	-20	TN CHATTANOOGA	CHA	40	-32	27	151	-61	49	-10	58
IA WATERLOO	ALO	124	-20	12	616	-41	-64	-6	-9	TN KNOXVILLE	TYS	60	-15	41	205	-22	75	-29	48
KS CONCORDIA	CNK	87	-17	2	364	5	-108	1	-23	TN MEMPHIS	MEM	22	-33	0	100	-55	20	-35	25
KS DODGE CITY	DDC	86	-11	-10	352	42	-154	14	-30	TN NASHVILLE	BNA	42	-29	26	180	-43	54	-19	43
KS GOODLAND	GLD	104	-27	-14	491	-37	-208	-7	-30	TX ABILENE	ABI	10	-32	-30	103	0	-9	0	-8
KS TOPEKA	TOP																		

National Weather Data for Selected Cities

Weather Data for the Week Ending November 1, 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
AL BIRMINGHAM	73	49	78	45	61	4	0	-6	0	9.2	131	30.8	67	97	47	0	0	0	0
MOBILE	74	52	81	49	63	-1	T	.5	T	100	47.2	85	95	49	0	0	0	0	0
AK ANCHORAGE	36	21	42	14	29	0	0	0	0	8.5	121	39.2	94	97	46	0	0	0	0
BARROW	23	10	29	5	16	0	0	0	0	7.2	171	16.5	127	90	48	0	0	0	0
FAIRBANKS	24	4	30	-6	14	-2	0	-1	0	2.0	171	4.0	93	95	86	0	0	0	0
JUNEAU	42	30	48	23	36	-2	1.9	.3	1.9	2.5	134	9.1	101	93	63	0	0	0	0
KODIAK	49	36	53	28	43	4	2.2	.1	1.1	14.2	79	61.5	100	88	59	0	0	0	0
NOME	35	24	40	17	30	7	.1	-2	.1	7.8	216	15.4	117	92	61	0	0	0	0
AZ PHOENIX	89	63	91	58	76	8	0	-1	0	.9	68	6.2	107	43	14	5	0	0	0
PRESCOTT	71	39	76	35	55	5	5	T	-3	3.1	113	11.2	70	60	22	0	0	0	0
TUCSON	85	54	89	50	70	5	5	T	-1	.8	37	10.1	105	40	15	0	0	0	0
YUMA	91	63	97	61	77	6	6	0	-1	.4	67	1.5	71	46	15	5	0	0	0
AR FORT SMITH	75	47	80	42	61	4	4	0	0	6.1	92	34.1	101	95	41	0	0	0	0
LITTLE ROCK	72	51	76	48	62	3	3	0	-7	7.3	110	34.8	92	80	51	0	0	0	0
CA BAKERSFIELD	75	50	85	42	63	0	0	-1	0	.1	13	4.3	98	81	42	0	0	0	0
EUREKA	67	51	74	44	59	6	1.2	.3	1.0	4.5	120	31.9	120	97	70	0	0	0	0
FRESNO	77	52	84	44	65	5	0	-2	0	.4	61	10.1	131	83	42	0	0	0	0
LOS ANGELES	74	58	81	52	66	2	0	-2	0	1.5	350	14.5	161	97	53	0	0	0	0
REDDING	71	50	77	45	61	-	.4	.4	.3	-.7	58	17.0	142	87	32	0	0	0	0
SACRAMENTO	76	51	81	44	64	4	T	-3	T	.7	37	19.1	137	96	56	0	0	0	0
SAN DIEGO	72	58	75	55	65	0	0	-1	0	2.4	450	10.1	146	96	66	0	0	0	0
SAN FRANCISCO	70	52	75	49	61	3	T	-4	T	.5	37	19.1	137	96	56	0	0	0	0
CO DENVER	61	37	73	29	49	2	.7	.5	.5	2.5	110	10.9	78	79	33	0	0	0	0
GRAND JUNCTION	63	39	70	36	51	3	.8	.6	.4	3.1	194	7.6	112	77	37	0	0	0	0
PUEBLO	67	33	81	28	50	2	.4	.2	.4	1.5	92	9.9	98	86	30	0	0	0	0
CT BRIDGEPORT	59	43	68	33	51	-1	.3	-.5	.3	2.9	43	24.3	71	91	62	0	0	0	0
HARTFORD	58	36	71	25	47	-1	.5	-.3	.5	3.1	41	32.8	90	93	53	0	0	0	0
DC WASHINGTON	64	49	70	42	57	2	1.0	-.4	.6	2.7	44	22.5	68	96	60	0	0	0	0
FL APALACHICOLA	75	60	78	57	68	2	T	-5	T	18.6	156	51.9	107	90	62	0	0	0	0
DAYTONA BEACH	80	67	85	60	74	4	1.1	.3	.9	7.1	62	39.6	91	99	71	0	0	0	0
JACKSONVILLE	75	62	79	52	68	3	.7	.2	.6	3.6	33	36.4	75	99	71	0	0	0	0
KEY WEST	86	77	86	73	81	3	.5	-.4	.2	7.1	62	28.7	83	90	71	0	0	0	0
MIAMI	87	74	89	71	80	5	1.3	.1	1.2	8.3	54	59.1	111	94	61	0	0	0	0
ORLANDO	82	69	88	66	76	4	2.5	2.0	.9	10.8	127	45.2	102	97	67	0	0	0	0
TALLAHASSEE	74	56	77	47	65	1	T	-6	T	6.3	65	55.4	98	95	57	0	0	0	0
TAMPA	80	67	89	63	73	2	3.2	2.8	2.4	10.1	117	38.0	89	98	74	0	0	0	0
WEST PALM BEACH	86	72	88	69	79	4	2.0	-.6	1.4	12.2	71	52.2	96	94	64	0	0	0	0
GA ATLANTA	70	51	75	47	61	3	T	-6	T	8.6	148	31.1	76	94	50	0	0	0	0
AUGUSTA	71	52	79	44	62	3	.9	-.5	.8	4.7	84	34.8	92	97	53	0	0	0	0
MACON	71	52	76	45	62	1	.1	-.3	.1	7.8	145	28.1	73	97	53	0	0	0	0
SAVANNAH	73	58	79	49	66	3	.7	-.4	.4	2.5	33	36.3	80	96	59	0	0	0	0
HI HILO	83	69	85	65	76	1	4.4	1.5	4.0	26.1	153	128.7	128	92	65	0	0	0	0
HONOLULU	87	72	88	67	80	1	T	-6	T	3.2	124	8.5	50	84	52	0	0	0	0
KAHULUI	84	68	88	61	76	-1	.2	-.1	.2	.5	36	11.1	76	89	57	0	0	0	0
LIHUE	83	71	87	68	77	1	.2	-1.0	.1	4.5	65	19.2	58	85	58	0	0	0	0
ID BOISE	62	37	77	29	49	3	.3	.1	.3	3.2	238	13.2	145	96	42	0	0	0	0
LEWISTON	60	44	67	40	52	6	.3	0	.3	1.2	72	8.8	85	83	49	0	0	0	0
POCATELLO	60	32	68	21	46	3	T	-2	T	1.7	107	11.3	126	90	34	0	0	0	0
IL CHICAGO	62	44	71	35	53	5	.1	-.3	.1	11.0	193	29.3	100	92	56	0	0	0	0
MOLINE	63	41	74	32	52	4	.3	-.2	.2	9.6	148	37.5	112	94	58	0	0	0	0
PEORIA	62	43	70	36	52	4	.3	-.2	.3	11.0	178	33.5	108	95	60	0	0	0	0
QUINCY	63	43	72	38	53	4	.2	-.5	.2	15.5	206	38.2	112	91	58	0	0	0	0
ROCKFORD	61	40	72	31	51	4	.3	-.3	.2	12.4	185	32.6	100	96	57	0	0	0	0
SPRINGFIELD	63	43	70	35	53	3	.1	-.4	.1	12.1	215	32.3	108	95	61	0	0	0	0
IN EVANSVILLE	68	44	76	38	56	4	T	-6	T	7.8	149	34.0	98	97	51	0	0	0	0
FORT WAYNE	62	43	71	35	53	5	.2	-.4	.2	8.0	155	39.3	133	93	60	0	0	0	0
INDIANAPOLIS	64	45	72	40	55	5	T	-6	T	13.1	246	41.9	126	93	56	0	0	0	0
SOUTH BEND	60	43	68	34	51	4	.2	-.5	.1	8.2	125	32.4	100	94	63	0	0	0	0
IA DES MOINES	61	39	71	30	50	2	.4	0	.4	10.3	195	40.6	143	94	52	0	0	0	0
SIoux CITY	59	38	75	30	49	3	T	-3	T	7.6	178	30.9	130	90	50	0	0	0	0
WATERLOO	59	35	69	27	47	3	.5	0	.3	8.2	139	34.1	113	97	56	0	0	0	0
KS CONCORDIA	64	41	74	32	52	2	.3	0	.3	10.2	209	38.4	117	90	46	0	0	0	0
DODGE CITY	65	40	76	32	53	1	.1	-.2	.1	2.2	70	18.7	96	90	46	0	0	0	0
GOODLAND	63	36	77	29	50	4	.3	.2	.3	3.2	136	15.1	99	87	39	0	0	0	0
TOPEKA	67	41	79	35	54	3	T	-.5	T	9.9	156	35.7	117	95	50	0	0	0	0
WICHITA	67	43	74	37	55	2	T	-.4	T	7.4	124	29.4	112	91	49	0	0	0	0
KY BOWLING GREEN	69	46	75	40	57	5	.1	-.6	.1	6.5	106	25.5	63	98	56	0	0	0	0
LEXINGTON	65	48	72	44	56	5	.2	-.4	.1	5.1	91	25.0	65	93	59	0	0	0	0
LOUISVILLE	67	48	75	44	58	5	.4	-.3	.4	5.8	96	30.2	82	93	56	0	0	0	0
LA ALEXANDRIA	74	50	78	47	62	-1	0	-1.0	0	7.2	106	33.5	74	97	47	0	0	0	0
BATON ROUGE	77	51	80	49	64	0	0	-1.6	0	6.3	88	40.7	87	93	46	0	0	0	0
LAKE CHARLES	77	52	81	50	65	0	0	-.7	0	11.3	128	40.6	92	98	45	0	0	0	0
NEW ORLEANS	75	52	78	49	63	-2	0	-.6	0	4.3	50	34.9	69	99	51	0	0	0	0

Based on 1951-80 normals.

Weather Data for the Week Ending November 1, 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	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
ME SHREVEPORT	76	47	79	45	62	0	0	-7	0	9.9	164	44.0	121	100	46	0	0	0	0	
ME GARIBOU	44	31	55	23	38	-1	0	-1	0	5.0	74	28.8	95	89	64	0	0	4	0	
MD PORTLAND	55	35	63	27	45	-1	0	-1	0	4.7	65	33.4	97	92	58	0	0	3	0	
MD BALTIMORE	64	46	68	40	55	3	3	-3	0	2.5	38	22.2	63	97	63	0	0	0	0	
MD SALISBURY	68	47	72	42	57	4	4	-4	0	3.6	47	23.7	61	98	57	0	0	0	0	
MA BOSTON	59	43	70	34	51	0	0	0	0	4.4	63	31.9	91	90	53	0	0	0	0	
MA CHATHAM	57	45	65	37	51	1	1	-1	0	7.2	95	40.4	108	89	74	0	0	0	0	
MI ALPENA	56	33	67	26	45	2	2	-2	0	10.0	201	29.1	118	96	62	0	0	0	0	
MI DETROIT	61	44	68	34	52	6	6	-6	0	10.9	246	33.7	129	96	63	0	0	0	0	
MI FLINT	59	40	68	32	49	4	4	-4	0	12.9	284	35.2	141	96	64	0	0	0	0	
MI GRAND RAPIDS	53	38	69	29	49	3	3	-3	0	14.7	240	45.7	158	95	62	0	0	0	0	
MI HOUGHTON LAKE	59	36	62	28	44	2	2	-2	0	11.3	220	32.5	136	96	64	0	0	0	0	
MI LANSING	59	39	67	31	49	3	3	-3	0	11.1	234	35.1	140	96	66	0	0	0	0	
MI MARQUETTE	50	31	67	25	41	2	2	-2	0	7.4	102	28.8	90	97	66	0	0	0	0	
MI MUSKEGON	58	39	62	33	49	3	3	-3	0	15.8	273	33.0	126	97	65	0	0	0	0	
MI SAULT STE. MARIE	51	36	60	27	43	3	3	-3	0	8.4	122	32.9	118	95	56	0	0	0	0	
MN ALEXANDRIA	52	32	66	18	42	2	2	-2	0	4.5	107	32.3	143	92	56	0	0	0	0	
MN DULUTH	50	29	61	17	40	1	1	-1	0	6.9	125	33.9	126	92	52	0	0	4	0	
MN INT'L FALLS	46	25	59	13	36	-1	-1	1	0	3.1	61	16.7	75	89	56	0	0	5	0	
MN MINNEAPOLIS	55	36	67	23	46	-3	-3	3	0	8.7	197	35.6	147	95	54	0	0	1	0	
MN ROCHESTER	54	34	67	21	44	2	2	-2	0	14.0	269	38.8	149	93	56	0	0	0	0	
MS GREENWOOD	74	49	79	45	61	2	2	-2	0	7.6	121	27.7	64	98	48	0	0	0	0	
MS JACKSON	75	47	80	43	61	1	1	-1	0	7.7	123	35.8	83	100	47	0	0	0	0	
MS MERIDIAN	73	47	79	42	60	1	1	-1	0	7.6	122	35.2	80	100	50	0	0	0	0	
MO CAPE GIRARDEAU	69	46	76	41	58	-1	-1	1	0	5.7	92	35.8	96	96	53	0	0	0	0	
MO COLUMBIA	64	43	74	39	54	3	3	-3	0	13.6	193	35.3	110	96	59	0	0	0	0	
MO KANSAS CITY	66	44	76	37	55	3	3	-3	0	13.6	186	36.9	115	95	53	0	0	0	0	
MO SAINT LOUIS	66	45	73	39	55	3	3	-3	0	13.3	262	32.2	110	91	54	0	0	0	0	
MO SPRINGFIELD	67	43	73	35	55	3	3	-3	0	15.7	209	36.1	106	97	50	0	0	0	0	
MT BILLINGS	58	36	72	22	47	4	4	-4	0	1.6	64	12.9	96	88	34	0	0	2	0	
MT GLASGOW	53	32	71	18	42	3	3	-3	0	4.7	318	12.7	117	68	48	0	0	4	0	
MT GREAT FALLS	56	34	71	17	45	3	3	-3	0	2.3	123	13.1	96	76	38	0	0	3	0	
MT HAVRE	53	30	73	5	41	2	2	-2	0	6.0	398	16.6	163	88	52	0	0	3	0	
MT HELENA	54	30	63	14	42	3	3	-3	0	2.5	165	11.1	108	90	44	0	0	4	0	
MT KALISPELL	51	33	58	29	42	5	5	-5	0	3.3	154	15.1	115	99	74	0	0	2	0	
MT MILES CITY	57	34	72	22	45	4	4	-4	0	3.6	179	15.1	117	86	46	0	0	2	0	
MT MISSOULA	53	33	59	27	43	4	4	-4	0	4.0	210	14.9	133	98	56	0	0	3	0	
NE GRAND ISLAND	62	38	77	29	50	3	3	-3	0	7.1	197	24.5	112	93	47	0	0	1	0	
NE LINCOLN	63	40	77	32	52	4	4	-4	0	11.1	239	37.5	148	93	49	0	0	1	0	
NE NORFOLK	61	38	77	30	49	4	4	-4	0	6.2	178	29.9	133	88	44	0	0	1	0	
NE NORTH PLATTE	63	35	79	30	49	5	5	-5	0	2.7	104	16.6	90	91	40	0	0	2	0	
NE OMAHA	60	41	71	31	50	3	3	-3	0	11.8	214	35.9	128	90	64	0	0	1	0	
NE SCOTTSBLUFF	61	33	74	30	47	3	3	-3	0	2.9	157	20.2	149	90	40	0	0	2	0	
NE VALENTINE	63	34	80	23	48	5	5	-5	0	3.4	148	18.8	115	78	36	0	0	2	0	
NV ELY	60	29	68	25	45	4	4	-4	0	2.6	201	8.3	108	81	32	0	0	6	0	
NV LAS VEGAS	79	55	85	52	67	6	6	-6	0	1	21	1.4	40	86	18	0	0	0	0	
NV RENO	65	35	75	26	50	4	4	-4	0	1.5	52	8.8	154	78	26	0	0	3	0	
NV WINNEMUCCA	65	32	77	23	49	5	5	-5	0	1.6	161	5.3	84	79	28	0	0	5	0	
NH CONCORD	57	31	70	20	44	4	4	-4	0	4.0	63	31.5	106	94	50	0	0	5	0	
NJ ATLANTIC CITY	65	44	69	34	54	3	3	-3	0	6.3	104	30.8	89	97	63	0	0	2	0	
NM ALBUQUERQUE	67	42	73	38	54	3	3	-3	0	2.1	119	11.3	157	68	25	0	0	0	0	
NM CLOVIS	72	45	77	38	58	5	5	-5	0	5.8	154	17.7	109	66	26	0	0	0	0	
NM ROSWELL	74	43	82	40	59	3	3	-3	0	9.5	351	21.3	234	90	32	0	0	0	0	
NY ALBANY	57	35	69	24	46	0	0	0	0	4.7	75	35.4	119	97	62	0	0	2	0	
NY BINGHAMTON	56	40	66	26	48	4	4	-4	0	5.8	91	36.3	117	91	57	0	0	2	0	
NY BUFFALO	59	42	65	29	51	4	4	-4	0	8.5	132	32.8	107	96	61	0	0	2	0	
NY NEW YORK	61	47	70	38	54	1	1	-1	0	3.5	52	27.7	78	91	59	0	0	4	0	
NY ROCHESTER	60	42	68	26	51	4	4	-4	0	8.4	160	30.5	117	96	57	0	0	2	0	
NY SYRACUSE	58	39	68	25	48	3	3	-3	0	8.8	135	35.8	110	95	58	0	0	2	0	
NC ASHEVILLE	65	43	71	37	54	1	1	-1	0	7.6	104	25.4	62	99	56	0	0	3	0	
NC CHARLOTTE	68	51	76	47	60	4	4	-4	0	4.7	73	20.6	56	95	54	0	0	2	0	
NC GREENSBORO	66	49	73	42	58	4	4	-4	0	4.3	62	22.6	62	97	62	0	0	0	0	
NC HATTERAS	71	61	78	50	66	5	5	-5	0	2.3	21	38.0	82	92	65	0	0	0	0	
NC NEW BERN	71	57	77	52	64	5	5	-5	0	3.1	33	38.0	82	97	63	0	0	0	0	
NC RALEIGH	71	51	78	45	61	6	6	-6	0	2.3	37	31.2	87	96	57	0	0	0	0	
NC WILMINGTON	73	57	80	51	65	5	5	-5	0	4.7	53	49.3	105	98	66	0	0	0	0	
ND BISMARCK	58	26	76	13	42	3	3	-3	0	4.8	215	22.1	153	94	47	0	0	6	0	
ND FARGO	52	27	63	14	40	0	0	0	0	3.7	117	21.8	120	90	56	0	0	6	0	
ND GRAND FORKS	53	25	64	15	39	1	1	-1	0	2.7	85	14.0	83	88	52	0	0	7	0	
ND WILLISTON	52	28	71	13	40	2	2	-2	0	3.9	184	20.6	161	94	53	0	0	4	0	
OH AKRON-CANTON	61	45	68	37	53	6	6	-6	0	6.7	128	25.3	82	93	65	0	0	0	0	
OH CINCINNATI	65	46	73	41	55	6	6	-6	0	6.6	120	27.2	80	93	57	0	0	2	0	
OH CLEVELAND	63	45	71	33	54	5	5	-5	0	9.2	170	34.9	116	96	62	0	0	0	0	
OH COLUMBUS	65	48	72	40	56	8	8	-8	0	7.6	160	29.3	92	92	57	0	0	3	0	

Based on 1951-80 normals.

Weather Data for the Week Ending November 1, 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	64	46	71	37	55	6	.1	-.5	.1	9.4	210	37.0	125	94	60	0	0	1	0	
TOLEDO	63	43	71	32	53	6	.2	-.3	.1	9.6	210	33.7	125	97	60	0	2	3	0	
YOUNGSTOWN	61	43	68	31	52	5	.2	-.4	.2	8.6	147	39.5	124	98	65	0	2	2	0	
OK OKLAHOMA CITY	72	49	79	45	60	4	0	-.5	0	17.9	288	39.7	141	90	42	0	0	0	0	
TULSA	72	47	78	42	59	3	0	-.7	0	13.9	176	38.8	112	91	40	0	0	0	0	
OR ASTORIA	60	49	65	44	55	5	3.0	1.2	1.5	8.6	90	44.3	92	98	78	0	0	5	2	
BURNS	57	30	69	8	43	1	.3	.2	.2	2.2	142	9.7	159	98	78	0	3	3	0	
MEDFORD	63	43	75	37	53	4	1.2	.7	.5	3.8	151	13.9	103	98	56	0	0	0	0	
PENDLETON	62	43	82	37	52	5	5	1.2	.7	2.1	135	9.6	105	93	55	0	0	4	0	
PORTLAND	62	49	65	45	56	5	5	1.7	.3	6.3	130	24.5	94	96	68	0	0	4	1	
SALEM	61	46	66	41	54	5	5	1.9	.9	5.8	114	28.3	102	98	72	0	0	5	2	
PA ALLENTOWN	59	40	69	31	49	1	.6	-.1	-.6	5.0	69	32.5	88	97	56	1	1	1	0	
ERIE	62	47	69	35	54	7	.7	-.1	-.5	12.9	175	40.1	123	94	61	0	0	4	0	
HARRISBURG	60	41	69	34	51	1	.6	-.1	-.5	4.2	66	33.5	102	97	60	0	0	2	1	
PHILADELPHIA	63	45	69	38	54	2	.9	-.3	-.9	4.5	71	28.2	81	97	62	0	0	2	0	
PITTSBURGH	62	43	67	32	53	5	.2	-.4	-.1	5.2	97	30.0	95	85	54	1	1	0	0	
SCRANTON	58	40	69	27	49	2	.4	-.2	-.4	5.7	91	38.3	129	89	51	0	1	2	0	
RI PROVIDENCE	60	39	69	31	50	0	.5	-.4	-.5	3.5	46	32.2	88	95	53	2	2	2	0	
SC CHARLESTON	73	58	81	52	66	4	.7	.2	.2	7.7	97	39.2	84	95	62	0	0	4	0	
COLUMBIA	71	51	79	45	61	2	.4	-.1	.2	6.8	99	25.7	59	97	52	0	0	3	0	
FLORENCE	73	54	82	46	63	4	1.3	-.9	-.8	5.6	86	25.0	64	93	53	0	0	2	1	
GREENVILLE	68	47	75	42	58	1	.7	0	.4	9.0	113	30.1	70	96	54	0	0	3	0	
SD ABERDEEN	58	27	73	12	42	2	T	-.2	T	3.0	118	25.0	150	95	49	0	5	0	0	
HURON	59	31	74	18	45	3	T	-.3	T	4.4	160	26.9	154	96	50	0	3	0	0	
RAPID CITY	63	35	73	27	49	6	0	-.1	0	4.8	256	20.1	131	82	37	0	2	2	0	
SIOUX FALLS	56	34	71	23	45	2	.1	-.2	.1	10.5	238	29.6	132	94	53	0	3	2	0	
TN CHATTANOOGA	71	47	74	44	59	4	0	-.7	0	12.5	171	30.0	69	100	50	0	0	0	0	
KNOXVILLE	68	44	74	38	56	2	0	-.7	0	7.4	127	24.7	63	99	54	0	0	2	0	
MEMPHIS	73	51	78	46	62	4	0	-.6	0	4.9	81	26.2	61	99	53	0	0	0	0	
NASHVILLE	70	48	76	43	59	4	0	-.6	0	4.4	68	20.8	51	94	52	0	0	0	0	
TX ABILENE	75	52	80	47	63	3	0	-.4	0	9.2	169	26.6	125	87	39	0	0	0	0	
AMARILLO	68	40	76	33	54	1	.1	-.1	.1	3.5	112	22.9	127	91	39	0	0	1	0	
AUSTIN	77	54	81	50	66	1	.3	-.4	-.3	12.7	180	27.4	100	98	46	0	0	0	0	
BEAUMONT	77	53	80	50	65	-1	0	-.8	0	8.8	89	43.7	99	98	45	0	0	1	0	
BROWNSVILLE	84	61	88	57	73	1	T	-.5	T	5.6	64	17.0	74	96	42	0	0	1	0	
CORPUS CHRISTI	82	59	84	56	71	1	T	-.4	T	6.9	73	23.9	88	96	44	0	0	1	0	
DEL RIO	--	56	99	54	--	--	0	-.4	0	8.7	174	22.0	138	84	56	0	0	0	0	
EL PASO	78	41	81	37	59	1	T	-.1	0	1.3	60	9.5	134	69	19	0	0	1	0	
FORT WORTH	77	51	81	46	64	2	0	-.5	0	6.4	110	26.8	103	89	35	0	0	0	0	
GALVESTON	76	64	78	60	70	2	T	-.5	0	11.2	131	26.5	79	85	50	0	0	1	0	
HOUSTON	77	53	80	51	65	0	0	-.8	0	9.8	112	31.8	84	95	46	0	0	0	0	
LUBBOCK	72	45	79	40	59	3	0	-.3	0	9.8	250	23.5	140	94	40	0	0	0	0	
MIDLAND	75	48	78	43	62	2	0	-.2	0	14.3	406	27.1	213	92	38	0	0	0	0	
SAN ANGELO	77	49	80	43	63	2	0	-.3	0	13.3	259	28.5	172	92	37	0	0	0	0	
SAN ANTONIO	79	51	82	49	65	0	0	-.5	0	9.4	140	33.8	133	98	46	0	0	0	0	
VICTORIA	80	56	82	54	68	0	.4	-.1	.4	10.4	108	32.2	99	97	45	0	0	1	0	
WACO	79	52	82	48	65	2	0	-.6	0	9.0	142	28.7	107	97	44	0	0	0	0	
WICHITA FALLS	76	49	83	45	62	3	0	-.5	0	10.9	179	30.4	126	93	42	0	0	0	0	
UT BLANDING	62	37	70	35	49	3	1.2	-.9	.6	4.8	199	14.4	150	83	43	0	0	2	2	
CEDAR CITY	61	36	71	31	48	2	.4	-.2	.3	2.3	135	10.3	118	78	40	0	1	2	0	
SALT LAKE CITY	63	40	72	32	51	4	T	-.2	T	3.1	152	18.2	142	82	33	0	1	2	0	
VT BURLINGTON	53	35	62	22	44	1	.7	0	.2	7.6	124	36.1	126	94	61	0	3	6	0	
VA NORFOLK	70	57	75	52	64	7	.2	-.6	.1	1.9	24	21.4	54	93	61	0	0	2	0	
RICHMOND	70	50	74	44	60	6	.8	0	.8	3.1	42	28.9	77	96	58	0	0	1	1	
ROANOKE	65	47	72	40	56	4	1.1	.3	.7	6.5	96	25.2	75	94	55	0	0	2	1	
WA COLVILLE	58	40	64	28	49	9	.8	.5	.3	4.0	189	18.8	144	94	68	0	1	4	0	
QUILLAYUTE	59	46	62	35	53	6	4.0	1.2	1.9	9.1	56	74.3	99	100	82	0	0	4	2	
SEATTLE-TACOMA	59	49	65	45	54	5	3.1	2.1	2.3	5.9	106	26.6	99	97	70	0	0	5	1	
SPOKANE	56	40	72	32	48	7	.5	.1	.3	2.1	113	12.2	100	98	61	0	1	4	0	
YAKIMA	58	36	66	30	47	3	.2	-.1	.1	2.3	276	7.6	133	99	61	0	2	2	0	
WV BECKLEY	60	43	64	38	51	4	.4	-.1	.3	7.2	120	31.5	87	94	57	0	0	0	0	
CHARLESTON	65	45	70	37	55	4	.2	-.4	.1	5.7	99	34.9	96	98	54	0	0	3	0	
HUNTINGTON	67	47	72	41	57	5	T	-.6	T	5.6	101	29.2	84	97	53	0	0	0	0	
PARKERSBURG	66	47	71	40	56	6	T	-.5	T	6.9	138	30.1	84	96	53	0	0	1	0	
WI GREEN BAY	55	40	66	28	48	5	.3	-.2	.1	9.5	178	29.6	119	95	65	0	1	3	0	
LA CROSSE	58	37	71	28	48	3	.4	0	.4	11.5	206	30.8	111	94	49	0	2	2	0	
MADISON	58	39	70	30	48	5	.4	-.1	.3	8.7	162	30.1	109	97	59	0	2	3	0	
MILWAUKEE	60	43	71	36	52	6	.6	-.1	.5	9.6	185	40.0	148	91	61	0	0	2	0	
WAUSAU	56	35	71	26	45	4	.2	-.2	.2	12.9	208	30.0	105	89	49	0	2	1	0	
WY CASPER	58	34	68	25	46	5	2	-.2	T	3.9	236	14.3	139	85	36	0	3	3	0	
CHEYENNE	55	33	66	25	44	2	.5	-.3	.3	4.4	247	13.7	110	80	37	0	3	2	0	
LANDER	58	36	69	32	47	7	0	-.2	0	3.1	150	10.7	90	71	30	0	3	0	0	
SHERIDAN	59	34	74	19	47	6	0	-.2	0	3.6	154	14.0	104	84	37	0	3	0	0	
PR SAN JUAN	87	74	88	73	81	0	.5	-.8	.3	9.4	80	43.9	100	97	67	0	0	3	0	

Based on 1951-80 normals.

National Agricultural Summary

October 27 to November 2, 1986

HIGHLIGHTS: Drier weather across most of the eastern half of the Nation spurred row crop harvest and winter wheat seeding. Rain and wet soils limited harvest in Kansas, Missouri, Oklahoma, and some Atlantic Coast States. Fieldwork averaged 4 to 6 days in most areas of the Nation. Soil moisture was mostly adequate, but more rain is needed in the Southeastern and Atlantic Coast States.

Winter wheat seeding progressed in the Corn Belt but trailed the 5-year average by 3 percentage points in the 20 major producing States. Seeding was 84 percent (%) finished, 3 points ahead of the previous week and 2 points above 1985. Seventy-seven percent of the acreage was emerged, compared with the 76% average. Corn harvest reached 63% completion, 15 points above the previous week but trailed the average by only 3 points. Soybean harvest caught up with the normal pace at 68% finished. Harvest still lagged far behind normal in Kansas, Michigan, and Missouri. Cotton was 46% harvested, 1 point greater than the average. A killing frost or freeze is needed in some areas for harvest to progress further. Sorghum was 70% harvested compared with 73% last year and 74% normally. Peanut harvest gained momentum. Burley producers actively stripped tobacco. Pastures were mostly good. Cold temperatures stressed livestock in the northern Great Plains.

SMALL GRAINS: Winter wheat was 84% seeded, compared with 82% last year and the 87% average. Seventy-seven percent of the acreage was emerged, 1 point ahead of normal. Seeding was up only 3 points from the previous week, but producers accomplished large gains, especially in the Corn Belt. Seeding climbed 20 and 25 points from the previous week in Ohio and Michigan, respectively. California, Illinois, Indiana, and North Carolina registered a 15-point increase each. In Kansas seeding was at a standstill because of wetness and slow soybean harvest. Producers were able to reseed a few washed-out fields. Rain-saturated fields kept Oklahoma's seeding progress at last week's 75% completion. Early wheat growth was good in Nebraska. Winter wheat was mostly good except in the Southeast and in Michigan where condition was fair.

CORN: Corn harvest advanced 15 points to 63% completion. This was 6 points greater than in 1985 but 3 points below the average. Drier weather throughout most of the Corn Belt, the northern Plains, and the Rocky Mountain States accounted for the rapid harvesting progress. Minnesota producers combined 27% of their acreage in 1 week. A fourth of Colorado's corn crop was harvested this week. Harvest progress gains ranged from 13 to 20 points in the Corn Belt but was limited to 5 points in Missouri because of wetness. In South Dakota, harvest was 33 points behind normal at 34% completion. Iowa's harvest lagged 14 points behind normal.

SOYBEANS: Soybean harvest increased 10 points from the previous week and equaled the 68% average. Harvest surpassed 1985 by 4 points. Kansas soybean harvest was 20 points behind normal and 50% finished. Michigan's harvest gained 10

points but was still 35 points behind the 70% average. Harvest was 14 points behind normal in both Mississippi and Missouri. Cold weather is needed to hasten maturity in some areas.

COTTON: Cotton harvest was ahead of normal in the Southwest and the Delta but lagged behind normal in the southern Great Plains and in the Southeast. Wetness continued causing harvest delays in Oklahoma and Texas. Harvest was 46% finished, 1 point ahead of last year and the average. Harvesting in Arkansas, Louisiana, Missouri, and Mississippi was 22 points or more ahead of normal. South Carolina cotton is usually 80% harvested by this time, but only 55% was harvested by November 2. New Mexico harvest fell 21 points below the 45% average.

SORGHUM: Sorghum was 70% harvested in the 11 major producing States, 3 points below 1985 and 4 points less than the average. In the 11 major producing States, South Dakota's harvest was the farthest behind normal with a 30-point deficit. Oklahoma's harvest was 15 points below average but was up 5 points from the previous week. In Illinois, harvest surged 10 points ending the week 14 points above normal. Also, harvest was ahead of normal in Arkansas, Louisiana, and Mississippi.

OTHER CROPS: Peanut digging was virtually finished in Virginia. Wet ground slowed peanut harvest in Texas. Rain caused losses, but most yields and grades remained good. In the Southeast peanut harvest was almost normal except in South Carolina, which was 26 points below the average.

Burley producers were actively processing tobacco for the scheduled November 24 opening date. Stripping was 5 points behind normal in Tennessee. Twenty-nine percent of Kentucky's tobacco was removed from the stalks.

FRUIT AND NUTS: Apple harvest was winding down in the northern producing areas. Pecan harvest increased in the Southeast. Rain slowed citrus harvest in Florida. Fresh fruit movement and quality were good. Orange and grapefruit harvest increased in Texas. Later maturity fruit sized well. Tangerine harvest was underway in western Arizona. Fruit sized well, and fruit quality was good. Other citrus shipments included lemons, grapefruit, and navel oranges. Orchard maintenance was the main activity in California. Producers disced, fertilized, irrigated, and fumigated orchards. Valencia orange harvest gained momentum. Table and wine grape harvests neared completion.

VEGETABLES: Rain provided needed moisture in Florida's vegetable producing areas. Harvest of most fall crops was becoming active. Vegetable harvest continued in Texas. Cauliflower, broccoli, and mixed vegetable planting progressed well in western Arizona. California vegetable harvest consisted mostly of artichokes, asparagus, broccoli, snap beans, carrots, cauliflower, and celery.

PASTURES AND LIVESTOCK: Pastures were mostly good. Livestock was mostly good, but low temperatures stressed livestock in some northern Plains States.

WINTER WHEAT
% PLANTED

	1986	1985	AVG.
ARK	54	47	44
CALIF	30	30	24
COLO	99	99	98
GA	29	20	21
IDAHO	99	99	98
ILL	80	87	81
IND	85	89	87
KANS	90	85	95
MICH	65	95	95
MO	47	54	66
MONT	92	89	97
NEBR	100	100	100
N MEX	100	NA	NA
N C	42	32	46
OHIO	80	94	92
OKLA	75	85	85
OREG	93	89	92
S DAK	100	100	100
TEX	88	69	79
WASH	100	99	97

20 STATES 85 NA NA

EXCL. STATES WITH NA 84 82 87

THESE 20 STATES PRODUCED 91% OF THE 1985 WINTER WHEAT CROP.

NA - NOT AVAILABLE.

CORN
% HARVESTED

	1986	1985	AVG.
COLO	50	60	58
GA	100	98	98
ILL	82	74	77
IND	75	65	65
IOWA	55	52	69
KANS	85	80	85
KY	87	79	74
MICH	30	40	45
MINN	53	41	56
MO	66	68	75
NEBR	55	45	55
N C	92	93	94
OHIO	60	55	54
PA	52	51	49
S DAK	34	34	67
TEX	98	97	99
WIS	39	30	38

17 STATES 63 57 66

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

COTTON
% BOLLS OPENING

	1986	1985	AVG.
ALA	100	100	99
ARIZ	100	100	100
ARK	100	100	99
CALIF	100	100	100
GA	96	98	95
LA	100	100	100
MISS	100	100	100
MO	100	100	100
N MEX	100	97	99
N C	100	100	100
OKLA	65	98	95
S C	100	100	100
TENN	100	100	100
TEX	59	80	83

14 STATES 79 90 92

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

CROP PROGRESS

FOR WEEK ENDING NOVEMBER 2, 1986

WINTER WHEAT
% EMERGED

	1986	1985	AVG.
ARK	36	27	NA
CALIF	5	4	9
COLO	90	94	91
GA	17	13	NA
IDAHO	80	83	81
ILL	50	70	66
IND	65	80	75
KANS	85	70	85
MICH	35	75	NA
MO	36	41	50
MONT	69	75	84
NEBR	100	100	100
N MEX	97	NA	NA
N C	22	NA	NA
OHIO	50	78	74
OKLA	65	65	65
OREG	81	63	72
S DAK	95	97	100
TEX	77	56	60
WASH	94	84	88

20 STATES 74 NA NA

EXCL. STATES WITH NA 77 71 76

THESE 20 STATES PRODUCED 91% OF THE 1985 WINTER WHEAT CROP.

NA - NOT AVAILABLE.

COTTON
% HARVESTED

	1986	1985	AVG.
ALA	80	75	73
ARIZ	55	50	50
ARK	90	82	68
CALIF	45	35	45
GA	50	66	56
LA	94	83	72
MISS	98	76	71
MO	93	79	70
N MEX	24	25	45
N C	56	52	61
OKLA	1	20	15
S C	55	85	80
TENN	82	65	70
TEX	20	27	29

14 STATES 46 45 45

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

SOYBEANS
% HARVESTED

	1986	1985	AVG.
ALA	52	36	53
ARK	50	35	36
GA	24	29	31
ILL	89	86	86
IND	85	86	84
IOWA	80	82	87
KANS	50	45	70
KY	46	37	43
LA	61	41	55
MICH	35	60	70
MINN	93	82	83
MISS	54	36	42
MO	43	41	57
NEBR	75	80	80
N C	20	12	21
OHIO	82	86	81
S C	20	13	16
S DAK	82	85	90
TENN	43	35	40

19 STATES 68 64 68

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

GRAIN SORGHUM
% HARVESTED

	1986	1985	AVG.
ARK	100	97	95
ILL	80	61	66
KANS	60	60	60
LA	100	100	99
MISS	100	98	96
MO	66	63	70
NEBR	65	75	70
OKLA	35	65	50
S DAK	50	71	80
TENN	92	95	NA
TEX	74	79	84

11 STATES 70 74 NA

EXCL. STATES WITH NA 70 73 74

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

NA - NOT AVAILABLE.

CROP CONDITION PERCENT
FOR WEEK ENDING NOVEMBER 2, 1986

STATE	WINTER WHEAT				
	VP	P	F	G	EX
ARK	0	0	12	76	12
COLO	0	5	28	53	14
GA	0	4	54	40	2
IDAHO	0	0	10	70	20
ILL	0	2	17	73	8
IND	0	0	24	72	4
KANS	2	2	16	34	46
MICH	3	22	40	35	0
MONT	0	0	22	75	3
NEBR	0	0	15	64	21
N MEX	0	0	30	41	29
OHIO	0	6	23	68	3
OKLA	0	1	45	50	4
S DAK	2	0	7	72	19
TEX	0	0	19	58	23
WASH	0	5	15	80	0

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

State Summaries of Weather and Agriculture

ALABAMA: Temperatures averaged 2 to 6° above normal. Rainfall totals under 0.20 in.

Days suitable for fieldwork 5.2. Soil moisture 36% short, 62% adequate, 2% surplus. Harvest progress good. Peanuts dug 88%, 100% 1985; combined 73%, 100% 1985. Harvesting sorghum, cotton, soybeans, peanuts, pecans; fall commercial vegetables; planting small grains, winter grazing crops; routine care of livestock, poultry.

ARIZONA: Periods of sunny, cloudy skies dominated weather 26th through 30th. Temperatures 4 to 10° above seasonal normals. By 31st, north, northwest cold upper level storm system moved in. Showers spread eastern two-thirds. Moisture amounts varied from few hundredths to 0.50 in. Snow level down to 6,500 ft., 1 to 3 ins. north. Averages for week 3 to 8° above normal.

Cotton harvest advanced. Plow down, stalk shredding active. Defoliation light to moderate. Alfalfa planting, stand renovation continued. New stands good. Sheep grazing active. Southeastern corn, sorghum harvests neared completion. Sorghum combined south central, maturing normally other areas. Western corn development slowed, crop good. Sesame, peanut harvests advanced. Early ground preparation for 1987 small grains began. Cantaloup, honeydew, mixed melons harvested. Lettuce shipped. Cauliflower, broccoli, mixed vegetable plantings progressing west. Sweet corn shipped south central. Mixed vegetables harvested central valley. Tangerine harvest underway west. Fruit sizing well, quality good. Other citrus shipped included lemons, grapefruit, Navel oranges. Pecan harvest gained momentum. Apples shipped. Range conditions vary from low of 58% of normal in deserts to 25% above in mid to higher elevations. Cattle, calves fair to good. Sheep, lambs poor to good.

ARKANSAS: Warm, dry week with plenty of sunshine, no rain. Temperature extremes 33°; 82°. Rainfall none.

Days suitable for fieldwork 6.0. Soil moisture 3% short, 88% adequate, 9% surplus. Crop growth moderate. Major activities: Harvesting soybeans, cotton, hay; planting wheat, oats, fall forages; bush hogging; disking under rice stubble; destroying cotton stalks; culling, weaning, calfhood vaccination, marketing livestock. Fall preparation for grape planting. Cotton gins slowed down considerably. Killing frost needed to advance maturity of soybeans. Pecan harvest underway.

CALIFORNIA: Two weak fronts spread showers over northern half State beginning, end of week. Strong southwest flow ahead front brought mild temperatures. Above normal temperatures reported, virtually every station. Week's end high pressure building bringing cool nights, mild, sunny days.

Fieldwork active. Rice harvest near completion. Cotton harvest continued good progress. Growers continued shred, disc harvested fields. Some growers wait shred until 2nd picking. Winter wheat plantings continued normal pace. Sugarbeets, dry bean, corn, grain sorghum continued to be harvested. Alfalfa hay being harvested final time most areas. Unseasonably warm weather. Orchard maintenance main activity. Discing, applying fertilizer, irrigating, fumigating main jobs. Date harvest continued Coachella Valley, good quality. Table, wine grape, kiwifruit, olive, persimmon harvests near completion. Valencia orange harvest

picked up, Navel oranges good color, sizes small, yields good. Artichokes moderate, variable quality; Salinas. Asparagus harvest continued; Palo Verde Valley. Broccoli very heavy, Salinas; fairly light, Santa Maria; good quality. Harvest active, Firebaugh District. Snap bean harvest active; south coast, central valley; good quality. Carrot fairly heavy, Salinas, good quality. Cauliflower fairly heavy, Salinas; light, Santa Maria; good quality. Fall harvest should begin mid-November; Westside. Celery fairly heavy; Salinas, Santa Maria; good quality. Transplanting cauliflower, celery continued; south coast. Sweet corn, cucumber harvests active, good quality. Lettuce very light, variable quality; Salinas. Harvest, Westside, heavy, good quality. Desert harvest begin November 10. Melon harvest, desert continued slowly, light demand. Some fields disced after one picking because vine collapse. Pepper harvesting active, Fresno. Fall potato harvest; Tulelake-Butte Valley, Humboldt County complete; fields fumigated for 1987 crop. Growers, Riverside County, held up harvesting, allow further maturity. Sweetpotato digging active, Merced-Atwater, Modesto-Turlock. Pumpkin harvest continued, Market tomato harvest active south coast, Westside. Central, southern district ranges, pastures need rain. Light supplemental feeding needed some areas. Movement livestock continued heavy many districts. Calving, lambing active.

COLORADO: Temperatures averaged 3 to 7° above normal. Precipitation totals averaged trace to 0.37 in.

Days suitable for fieldwork 5.4. Soil moisture 4% very short, 23% short, 69% adequate, 4% surplus. Dry beans threshed 88%, 97% 1985, 96% avg. Sorghum mature 95%, 95% 1985, 97% avg.; harvested for grain 34%, 55% 1985, 61% avg. Livestock good; range, pasture fair to good.

FLORIDA: Little or no sun, widespread rain, localized very heavy thunderstorms throughout State, especially Fort Pierce, Stuart, Vero Beach areas for most of entire period due to very slow moving upper air disturbance which finally cleared late on 1st. Cloudiness, drizzle returned statewide on 2nd. Vero Beach, Stuart area generally received most rain, 5.00 to 10.00 in.

Soil moisture improved to generally adequate central, southern Peninsula, western Panhandle. Eastern Panhandle, northern Peninsula also improved; however, additional rain needed. Heavy rains some central coastal areas resulted in excessive wetness. Peanut harvest nearly completed western Panhandle, well advanced elsewhere. Cotton harvest neared half-way mark. Soybean harvest continued to gain. Rye, rye grass planting for winter grazing active. Limited hay, sugarcane harvest continued. Pastures mostly good southwest, southern Peninsula, parts of northern Peninsula, Panhandle rain adequate; fair to poor elsewhere. Cattle mostly good southern Peninsula, western Panhandle; generally fair elsewhere. Citrus areas received needed rain 3 to 4 days. Rain slowed harvest. Fruit quality good. Movement good for fresh fruit. Caretakers clean cultivated groves for winter season. Wet, overcast weather prevailed most of week vegetable producing areas. All vegetable crops mostly good. Harvest most fall crops, becoming active. Vegetables leading in volume: Tomatoes, cucumbers, squash, sweet corn, green peppers. Lighter supplies snap beans,

eggplant, radishes, escarole, lettuce, carrots available.

GEORGIA: Rain 1 day over most of State. Exception, rain 2 to 4 days southeast third. Totals light western half, totals mostly under 0.20 in. Totals eastern half mostly under 0.50 in., local amounts 1.00 to 2.00 in. Temperatures 2 to 6° above normal. Warmest low 70s mountains to upper 70s central, south. Coolest mid 30s northeast mountains to 40s remainder of State.

Days suitable for fieldwork 4.8. Soil moisture 11% very short, 46% short, 42% adequate, 1% surplus. Cotton 4% very poor, 28% poor, 62% fair, 6% good. Sorghum grain 22% poor, 73% fair, 5% good; 78% harvested. Peanuts 2% very poor, 21% poor, 65% fair, 12% good; 91% dug, 100% 1985, 98% avg.; 78% threshed, 98% 1985, 96% avg. Soybeans 13% very poor, 26% poor, 55% fair, 6% good; 98% dropping leaves, 98% 1985, 94% avg. Rye 4% poor, 52% fair, 43% good, 1% excellent; 54% planted, 57% 1985, 54% avg. Other small grains 47% planted, 46% 1985, 42% avg. Apples 10% very poor, 10% poor, 45% fair, 35% good; 96% harvested, 100% 1985, 97% avg. Pecans 5% very poor, 2% poor, 62% fair, 31% good; 14% harvested, 25% 1985, 16% avg. Pasture 2% very poor, 17% poor, 47% fair, 34% good. Hay 4% very poor, 17% poor, 48% fair, 31% good. Cattle 2% poor, 51% fair, 47% good. Hogs 1% poor, 29% fair, 69% good, 1% excellent. Main activities: Haying; harvesting; seeding pastures and small grains.

HAWAII: Conditions mostly sunny. Northeasterly winds 10 to 20 mph. Volcanic smoke, light midweek southerly winds, caused haze some areas. Temperatures ranged mid 60s to upper 80s. Rainfall ranged none to 2.90 in.

Days suitable for fieldwork 7.0. Weather mostly favorable for crop development. Sugarcane harvesting active. Banana orchards fair to good, harvesting active. Papayas fair to good, production past seasonal peak. Cool temperatures slowed leafy vegetables.

IDAHO: Temperatures statewide 1 to 7° above normal. Precipitation below normal southeast, slightly above normal southwest, above normal north.

Days suitable for fieldwork 6.0. Harvest, fieldwork winding down. Potato harvest virtually complete. Onion, dry bean harvest complete. Sugarbeet harvest continued, nearing completion. Winter wheat seeding nearly complete, condition good. Livestock good, hay, roughage supplies good.

ILLINOIS: Temperatures averaged none to 3° above normal north and 2 to 4° above normal south. Precipitation none to 1.55 in. most stations less than 0.30 in.

Days suitable for fieldwork 3.8. Soil moisture 45% adequate, 55% surplus. Pasture 15% fair, 65% good, 20% excellent. Major farm activities: Harvesting corn, soybeans, sorghum, seeding wheat.

INDIANA: Temperatures 1 to 5° above normal. Lows upper 30s to mid 40s. Highs upper 50s to mid 60s. Rainfall light ranging from none to 0.16 in. Soil temperatures 2 to 3° above normal.

Fieldwork averaged 4.2 days. Topsoil moisture 84% adequate, 16% surplus. Subsoil moisture 1% short, 90% adequate, 9% surplus. Corn 19% moisture content, soybeans 14% moisture content. Winter wheat land 91% plowed, 93% 1985, 97% avg. Rye 92% seeded, 90% 1985, 95% avg. Tobacco 6% processed. Spring cropland 25% tilled, 20% 1985, 25% avg. Wet field conditions slowed harvest, tilling activities beginning of week. Pastures fair to mostly good.

IOWA: Mild, sunny early to mid week. Turning colder with rain 31st; occasional snow, sleet 1st. Temperature extremes 18°; 76°.

Days suitable for fieldwork 4.5. Topsoil moisture 51% adequate, 49% surplus; subsoil moisture 52% adequate, 48% surplus. Corn harvest good north, slow south; corn lodging 4% none, 71% light, 24% moderate, 1% heavy; ear droppage 4% none, 70% light, 25% moderate, 1% heavy. Soybean harvest nearing completion north, slow south; soybeans lodging 8% none, 64% light, 27% moderate, 1% heavy; shattering 14% none, 69% light, 15% moderate, 2% heavy. Winter wheat seeded 85%, 89% 1985, 98% avg. Fall tillage 11%, 14% 1985, 24% avg.; fall fertilizer application 8%, 10% 1985, 22% avg. Livestock mostly good; some scours, pneumonia in young pigs, calves. Cattle out on corn stalks, bean stubble.

KANSAS: Precipitation 0.10 in. or less during week, 0.20 to 0.40 in. weekend. Temperatures averaged 50° west, 56° southeast; 1° below normal southwest, 4° above normal northwest, 1 to 3° above normal elsewhere.

Days suitable for fieldwork 4.5. Soil moisture 3% short, 66% adequate, 31% surplus. Wheat seeding, fall row crop harvest progressed well most areas. Eastern fields too wet to support harvest equipment. Sorghum harvest good progress except east. Sorghum 3% very poor, 8% poor, 9% fair, 27% good, 53% excellent. Corn harvest good progress, especially northwest, west central. Soybean harvest moving slowly. Most acreage east too wet for harvest equipment; some yield losses from shattering. Soybeans 5% very poor, 4% poor, 17% fair, 34% good, 40% excellent. Wheat seeding behind schedule, wet conditions and slow soybean harvest. Reseeding washed-out wheat fields soil conditions permit. Early wheat growth good, cattle movement for pasturing underway. Wheat 2% very poor, 2% poor, 16% fair, 34% good, 46% excellent.

KENTUCKY: Seasonably mild, light precipitation. Rainfall amounts averaged from 0.10 to 0.20 in. east less west. Mean daily temperatures averaged middle 50s, few degree or 2 above normal.

Days suitable fieldwork 4.5. Soil moisture 1% very short, 38% short, 60% adequate, 1% surplus. Soybean harvested accelerated, late beans maturing. Corn harvest approaching completion in commercial grain areas. Burley 29% stripped, markets to open November 24. Wheat 77% seeded, 62% 1985, 60% avg. Early seeded wheat mostly good. Pasture 5% poor, 41% fair, 48% good, 6% excellent.

LOUISIANA: Temperature normal to 3° below normal. Temperature extremes 43°; 84°. Rainfall none.

Days suitable for fieldwork 5.7. Soil moisture 96% adequate, 4% surplus. Soybeans 99% leaves turning color, 99% 1985, 99% avg.; 94% shedding leaves, 91% 1985, 93% avg. Rice 2nd cutting 20% harvested. Sugarcane fair to good; 29% harvested, 16% 1985, 23% avg. Sweetpotatoes 96% harvested, 80% 1985, 89% avg. Pecans 22% harvested, 10% 1985, 16% avg. Wheat 34% planted, 12% 1985, 27% avg.; 23% emerged, 9% 1985, 17% avg. Hay final cutting 99% complete, 95% 1985, 98% avg. Vegetables fair; pasture, livestock fair to good. Main activities: Harvesting cotton, pecans, 2nd crop rice, soybeans, sugarcane, sweetpotatoes; planting wheat, winter pastures.

MARYLAND & DELAWARE: Maryland: Temperatures averaged 5° above normal over State; lowest temperature 28° Oakland; highest temperature 73° Cumberland. Precipitation averaged 0.78 in., ranging from 0.48 in. Hagerstown to 1.29 in. Salisbury.

Days suitable for fieldwork 5.4. Topsoil moisture short to adequate. Subsoil moisture very short to short. Field corn mostly fair; 85% harvested, 86% 1985, 87% avg. Soybeans fair to good; 47% harvested, 42% 1985, 46% avg. Small grains good: Wheat 73% planted; barley 85% planted.

94% 1985, 96% avg.; rye 89% planted, 88% 1985, 91% avg.; oats 85% planted, 85% 1985, 91% avg. Pasture fair. Hay supplies very short to short.

Delaware: Temperatures averaged 4° above normal over State; lowest temperature 37° Wilmington; highest temperature 70° Dover, Georgetown, Milford. Precipitation averaged 0.84 in., ranging from 0.68 in., Dover to 0.95 in. Milford.

Days suitable for fieldwork 5.1. Topsoil moisture short to adequate. Subsoil moisture very short to short. Field corn poor to fair; 93% harvested, 95% 1985, 94% avg. Soybeans fair; 63% harvested, 30% 1985, 50% avg. Small grains fair: Wheat 49% planted, 60% 1985, 66% avg.; barley 88% planted, 85% 1985, 96% avg.; rye 93% planted, 75% 1985, 71% avg. Pasture mostly fair. Hay supplies short to adequate.

MICHIGAN: Temperatures ranged 3 to 6° above normal. Temperature extremes 26°; 71°. Precipitation ranged from none to 0.60 in. across State.

Days suitable for fieldwork 5.0. Soil moisture 25% adequate, 75% surplus. Corn 30% harvested, 40% 1985, 45% avg. Soybeans 35% harvested, 60% 1985, 70% avg. Winter wheat 65% planted, 95% 1985, 95% avg.; 35% emerged, 75% 1985; 3% very poor, 22% poor, 40% fair, 35% good. Dry beans 75% harvested, 100% 1985, 98% avg. Field activities: Corn and dry edible bean harvesting, wheat planting, soybean combining, potato, sugarbeet digging, silage making and fertilizer spreading. Apple harvest finished. Carrot digging continued.

MINNESOTA: Temperatures averaged 1° below normal northern one-third of State, 1 to 2° above normal elsewhere. Temperature extremes 10°; 74°. Precipitation averaged near normal southeast, 0.14 to 0.38 in. below normal elsewhere.

Days suitable for fieldwork 5.7. Topsoil moisture 4% short, 71% adequate, 25% surplus. Weekend rains southern area increased soybean moisture content from last weeks 1%. Corn for grain moisture dropped 2% week ago. Many low areas remain to be harvested. Yields on all crops range from poor to very good depending on soil conditions, moisture problems. Field corn 53% harvested, 41% 1985, 56% avg.; 23% moisture content of grain, 25% 1985, 24% avg.; 20% stubble plowed, 15% 1985, 26% avg. Field corn 97% cut for silage, 95% 1985, 98% avg. Soybeans 93% harvested, 82% 1985, 83% avg.; 14% moisture content, 13% 1985, 14% avg.; 51% stubble plowed, 30% 1985, 40% avg. Flax 96% harvested, 83% 1985, 93% avg. Dry edible beans 99% harvested, 92% 1985, 92% avg. Sunflowers 86% harvested, 51% 1985, 66% avg.

MISSISSIPPI: Temperatures 2° above to 6° below normal, extremes 36°; 82°. Weather across State pleasant with no precipitation.

Days suitable for fieldwork 5.2, 0.2 1985, 3.6 avg. Soil moisture 2% very short, 25% short, 68% adequate, 5% surplus. Hay 98% harvested. Sweetpotatoes 99% harvested, 78% 1985, 82% avg. Peanuts 100% harvested. Pecans 23% harvested, 12% 1985, 23% avg. Wheat 42% planted, 25% 1985, 38% avg.

MISSOURI: Temperatures 3° above normal, small area central portion received less than 0.50 in., none to less than 0.10 in. elsewhere.

Days suitable for fieldwork 3.3. Soil moisture 39% adequate, 61% surplus. Harvest progress slow with wet fields. Fall tillage complete 16%, 28% 1985, 35% avg. Pasture 18% fair, 68% good, 14% excellent.

MONTANA: Temperatures well above normal until week's end arctic air pushed temperatures to single

digits north central. Temperatures averaged 2 to 6° above normal statewide. Up to 3 in. snow parts north central, central after midweek. Rain brought 0.40 to 0.60 in. northwest, other areas light amounts.

Days suitable for fieldwork 6.5. Topsoil moisture 5% short, 90% adequate, 5% surplus. Subsoil moisture 3% short, 88% adequate, 9% surplus. Sugarbeets harvested 98%, 95% 1985, 90% avg. Potatoes harvested 99%, 85% 1985, 95% avg. Dry beans harvested 96%, 95% 1985, 95% avg. Cattle moved from summer ranges 85%, 85% 1985, 85% avg. Sheep moved from summer ranges 90%, 90% 1985, 85% avg. Fall work winding down.

NEBRASKA: Rainfall 0.10 to 0.20 in. Temperatures ranged 1 to 5° above normal. Temperature extremes 21°; 80°.

Days suitable for fieldwork 5.2. Topsoil moisture 68% adequate, 32% surplus. Subsoil moisture 3% short, 69% adequate, 28% surplus. Winter wheat mostly good to excellent. Good early growth. Some corn producers delaying harvest for more dry down. Fall tillage soybean fields northeast. Pasture, range feed supplies mostly adequate. Moving cows to winter pastures.

NEVADA: High pressure system retreated offshore midweek as low pressure trough developed. Precipitation with system generally light, confined to north, east. Temperatures started well above normal. Despite cooling later week, averages for entire period remained 5° above normal. Temperature extremes 10°; 90°.

Ranchers busy moving, sorting cattle. Prices up lightly. Movement to market continued.

NEW ENGLAND: Temperatures near normal ranged from upper 30° near Canadian border to low 40° south coast. Precipitation ranged from 1.00 to 1.25 in. eastern Massachusetts; 0.25 to 0.75 in. Maine, Connecticut; 0.25 to 1.00 in. New Hampshire, Vermont, Rhode Island, western Massachusetts. Harvest near completion. Major farm activities: Fall clean up.

NEW JERSEY: Temperatures averaged near normal. Extremes 22°; 72°. Rainfall averaged 0.10 in. north, 0.24 in. central, 0.23 in. south. Heaviest 24-hour total 0.42 in. on 1st, 2nd. Estimated soil moisture percent field capacity averaged 91% north, 88% central, 94% south. Four inch soil moisture temperatures averaged 48° north, 53° central, 54° south.

Topsoil moisture adequate to excessive. Hardy fall vegetables continued to be marketed in south due to lack of frost. Sweetpotato harvest neared completion. Apple, cranberry harvest about complete. Soybean, corn for grain combining active. Conditions good for grain, cover crops, pasture growth due to rain weekend.

NEW MEXICO: Weekly average temperatures above normal most of week statewide. Cold air with rain, snow statewide over weekend. Temperatures 20° northwestern plateau, western mountains to 82° southeastern plains. Precipitation 0.20 in. southern desert to 2.00 in. northern mountains. Several stations received above 1.00 in.

Days suitable for fieldwork 5.9. Soil moisture 11% short, 89% adequate. Freeze damage 43% none, 57% light. Alfalfa 14% poor, 43% fair, 43% good. Cotton 14% poor, 29% fair, 57% good. Corn 25% fair, 75% good. Barley 20% fair, 60% good, 20% excellent. Irrigated grain sorghum 14% fair, 86% good. Pecans 100% good. Chile 100% good. Lettuce 33% fair, 67% good. Cattle 11% fair, 89% good. Sheep 100% good. Range 33% fair, 56% good, 11% excellent.

NEW YORK: Rainfall heaviest northern mountains. Most of week dry. Temperatures normal early week, above normal midweek, below normal rest of week.

Days suitable for fieldwork 5.0. Corn fair to good. Grain corn drying slowly. Corn silage 79% harvested. Grain corn 26% harvested. Third cutting alfalfa 85% complete. Pastures fair to good. Soil moisture adequate to surplus. Some fall plowing done. Apple harvest eastern counties virtually complete. Romes being harvested western counties near Lake Ontario.

NORTH CAROLINA: Temperatures averaged 3 to 4° above normal Mountain Region, 4 to 6° Piedmont, Coastal Plain Regions. Temperature extremes 33°; 81°. Precipitation ranged from 0.04 to 3.17 in.

Days suitable for fieldwork 5.3. Soil moisture 11% very short, 61% short, 28% adequate. Corn grain harvest near average. Cotton fair to good, harvest behind average. Soybeans mostly fair, leaves dropping, harvest average. Wheat planting behind average, dry conditions. Oats planted 59%, 52% 1985, 63% avg. Barley planted 55%, 53% 1985, 61% avg. Rye planted 54%, 61% 1985, 61% avg. Sorghum harvested 72%, 76% 1985, 78% avg. Peanuts dug 99%, 98% 1985, 91% avg.; threshed 90%, 88% 1985, 81% avg. Sweetpotatoes harvested 80%, 83% 1985, 85% avg. Apples harvested 98%, 92% 1985, 94% avg. Pasture 3% very poor, 25% poor, 52% fair, 20% good. Major farm activities: Harvesting soybeans, corn, cotton, sorghum, hay, apples; seeding cover crops, pasture; digging sweetpotatoes; digging, threshing peanuts; marketing tobacco; land preparation; shearing Christmas trees; disking stalks; spreading lime; mowing; tending livestock; general farm maintenance.

NORTH DAKOTA: Warm weather replaced by cold. Average temperatures 1° below normal north central, 6° above normal south central. Extremes 6° west central 1st, 78° south central, southwest 27th. Light precipitation, some snow. Most precipitation 0.29 in. northwest.

Days suitable for fieldwork 6.3. Topsoil moisture declined slightly, still much above normal 5% short, 95% adequate. Good weather allowed significant harvest progress. Flax, soybeans nearly complete while corn, sunflower harvest advanced 26, 27 points respectively. Percent of harvest completed: Sunflower 77%, 54% 1985, 66% avg.; soybean 97%, 93% 1985, 90% avg.; corn 71%, 60% 1985, 74% avg.; flax 98%, 95% 1985, 97% avg. Farmers busy preparing for winter.

OHIO: Average high temperatures 60s to low 70s; 2 to 5° above normal. Average lows upper 30s to low 40s; 2 to 5° above normal. Precipitation under 0.25 in; none over south. Soil temperatures low to mid 50s under bare ground.

Days suitable for fieldwork 4.7. Soil moisture 1% short, 82% adequate, 17% surplus. Harvest delayed early week; rain, wet soils. Harvest resumed midweek. Grain quality good; very limited mold, sprouting. Moisture content of corn 20%, soybeans 14%. Winter wheat planting advanced rapidly but lags recent years; stands mostly good. Grasslands improved; condition good.

OKLAHOMA: Temperatures averaged normal Panhandle to 3° above normal south central, southeast. Only precipitation reported 0.30 in. Panhandle.

Days suitable for fieldwork 4.6. Topsoil moisture 2% short, 75% adequate, 23% surplus. Subsoil moisture 2% short, 98% adequate. Wheat 1% poor, 45% fair, 50% good, 4% excellent; 75% planted, 85% 1985, 85% avg.; 65% emerged, 65% 1985, 65% avg. Rain, saturated soil kept seeding last week's level. Sorghum 35% harvested, 65% 1985, 50% avg. Cotton 65% mature, 98% 1985, 95% avg.; 1% harvested, 20% 1985, 15% avg. Cool weather hindered development. Most producers await hard

freeze to defoliate cotton. Pastures good; forage short 2 counties. Cattle marketings stable, prices steady to higher.

OREGON: Temperatures averaged 2 to 7° above normal. Highest reading for week was 82° Pendleton. East of Cascades, overnight lows in teens, 20s. Daytime highs warm. Precipitation above normal west, ranged from 1.18 in. Medford to 8.46 in. Laurel Mountain in northern coast range. Little precipitation east, except northeast amounts ranged from 0.50 in. to slightly more than 1.00 in.

Soil moisture 23% short, 67% adequate, 10% surplus. Most fieldwork completed, remainder rapidly winding down. Fall grain seeding continued. Fertilizer, herbicide applications continued. Corn for grain harvest continued Malheur County, Hermiston-Boardman irrigated region. Sugarbeet harvest continued Malheur County. Filbert harvest finished. Last of walnut harvest winding down. Cranberry harvest completed weekend, yields above average, excellent quality, mostly good berry size. Fruit orchardists fertilizing, spraying herbicides, pruning all growing areas. Caneberry pruning continued. Carrot, cauliflower, cole crops harvest continued Willamette Valley. Fall seeded Walla Walla sweet onions irrigated, processing carrots harvested Milton-Freewater. Onion harvest completed Medford. Livestock good to excellent. Weaning, marketing of calves continued. Cattle turned out on turnips, corn stalks Hermiston area. Cattle on aftermath hay, stubble fields northeastern mountains. Range, pasture good to excellent. Fall pasture growth outstanding west of Cascades. Grass also growing well eastern high country, season too advanced for any significant growth.

PENNSYLVANIA: Slow moving weather system produced generous rainfall across most of eastern State early week. Cold front late week produced more rain and showers statewide. Average temperature 50°, 3° above normal. Temperature extremes 19°; 71°. Average precipitation 0.36 in., 0.32 in. below normal.

Days suitable for fieldwork 5.0. Soil moisture 10% short, 83% adequate, 7% surplus. Corn 52% harvested; 51% 1985; 49% avg. Corn 1% very poor, 3% poor, 25% fair, 46% good, 25% excellent. Ensilage corn harvested 97%, 97% 1985, 98% avg. Soybean harvest 53% complete, 46% 1985, 48% avg. Soybeans 1% very poor, 6% poor, 20% fair, 49% good, 24% excellent. Apple harvest 95% complete, 96% 1985. Grape harvest 98% complete, 100% 1985. Fall plowing 96% complete, 97% 1985. Fall wheat planting 98% complete, 98% 1985. Fourth cutting alfalfa 96% complete, 94% 1985. Quality of hay made good to fair. Amount of feed being obtained from pastures average to below average. Activities: Making hay, haylage; harvesting soybeans, corn grain, corn silage, apples, grapes, potatoes; fall plowing; fall planting wheat, rye.

PUERTO RICO: NO DATA AVAILABLE.

SOUTH CAROLINA: Temperatures seasonal upstate, above seasonal Coastal Plains, Midlands. Rain averaged 0.25 to 0.75 in. many areas.

Days available for fieldwork 5.1. Soil moisture 11% very short, 56% short, 33% adequate. Cotton open bolls 100%; 55% harvested, 85% 1985, 80% avg.; 9% very poor, 64% poor, 27% fair. Soybean leaves turning 96%, 100% 1985, 100% avg.; 83% leaves shedding, 93% 1985, 89% avg.; 67% mature, 74% 1985, 64% avg.; 20% harvested, 13% 1985, 16% avg.; 8% very poor, 59% poor, 33% fair. Tobacco harvested 100%; 87% stalks destroyed, 91% 1985, 95% avg. Peanuts fair; 67% harvested, 88% 1985, 93% avg. Sweetpotatoes fair; 67% harvested, 81% 1985, 82% avg. Apples fair; 89% harvested, 100% 1985, 100% avg. Barley, rye, oats fair. Sorghum poor to

fair. Wheat fair to good. Pastures, hay fair; livestock fair to good. Rains helped small grains considerably.

SOUTH DAKOTA: Average temperatures ranged 1 to 80 above normal. Extremes 120°; 80°. Precipitation light to none.

Days suitable for fieldwork 5.1. Topsoil moisture surplus portions east, adequate elsewhere; 6% short, 78% adequate, 16% surplus. Subsoil moisture surplus portions east, short northwest, adequate elsewhere; 10% short, 74% adequate, 16% surplus. Harvest behind normal; corn, sorghum 2 weeks behind; soybean, sunflower 1 week behind. High grain moisture content holding up harvest. Range, pastures, livestock good to excellent. Cattle being moved to stalks, calves being weaned.

TENNESSEE: Temperatures 40° above normal. General rain entire State, mostly east.

Days suitable for fieldwork 4.5. Soil moisture 3% very short, 40% short, 56% adequate, 1% surplus. Corn 87% harvested, 85% 1985, 75% avg. Burley tobacco 40% stripped, 45% 1985, 45% avg. Wheat 52% seeded, 50% 1985, 50% avg. Pastures good. Cotton harvest 12 days ahead of schedule.

TEXAS: Beautiful fall weather State 27th through 31st, high pressure prohibited rain. Daytime temperatures warm, nights cool west, mild elsewhere. Cool front entered midweek, moved through western, northern counties, produced few weather changes. Stronger front moved into Panhandle 31st, brought some rain High Plains, Trans-Pecos weekend along with colder temperatures. Rainfall below normal most areas, near normal southern High Plains, Trans-Pecos. Temperatures cool Plains, Coastal Bend; slightly above normal south central.

Crops: Corn harvest resumed Plains, winding down many fields. Some deterioration occurred because wet, cooler temperatures. Another week open weather, most harvest complete. Grain sorghum harvest increasing last week after several weeks rainy weather Plains, Cross-Timbers. Heavy morning dews slowed progress. Test weights light. Harvest active next week. Most fields harvested Hill Country. Mature 92%, 99% 1985, 99% avg. Cotton harvest underway Plains last week, open weather allowed producers enter fields. Warmer temperatures most week, bolls begin opening rapidly. Many producers applied defoliants, some operators await killing freeze. Bolls opening Cross-Timbers. Final harvest operations Blacklands. Harvest underway Trans-Pecos. Early planted small grains good emergence, growth most areas. Rust, greenbugs invaded fields many areas. Seedlings small grains increased last week with open weather. Stockers moved onto pastures some areas, fields dried out. Most pastures adequate supply forage for grazing. Peanut harvest resumed most areas. Some losses from excessive rains; most yields, grades remained good. Harvest slow scattered areas because wet ground from previous rains. Harvested 55%, 39% 1985, 48% avg. Soybean harvest underway last week High Plains, yields hurt by rain. Storage facilities short some areas Plains. Harvested 62%, 27% 1985, 39% avg. Sugarbeet harvest resumed High Plains; good yields, quality. Sugarcane harvest good progress last week, everything looks good. Other crops harvested: Sunflowers 54%, 64% 1985, 70% avg. Sugarbeets 26%, 28% 1985, 44% avg. Pecans 38%, 11% 1985, 14% avg. Other crops planted: Oats 80%, 65% 1985, 72% avg.

Commercial Vegetables: Rio Grande Valley, harvest cucumbers continued, pepper, tomato harvest beginning. Onion planting continued. Cabbage, lettuce good progress. Harvest oranges, grapefruit increasing last week. Later fruit sizing well. San Antonio-Winter Garden, cabbage harvest

underway. Also some squash, cauliflower, other greens harvested. Most planting about complete. Good progress fall vegetables. East, vegetables, sweetpotatoes harvested. High Plains, carrot harvest continued, most other vegetable harvest complete. Trans-Pecos, onion planting continued. Some wilt late chili fields. Pecan harvest many areas varied yields. Quality fair to good overall. Some sprouting continued.

Range and Livestock: Improvement cool season ranges, pastures continued over State. Recent rains increased growth. Hay cutting resumed scattered areas. Stockers moved onto early planted small grain pastures as ground dried. Most fields provide adequate forage grazing. Livestock conditions holding steady; scattered problems, internal parasites.

UTAH: Precipitation light to moderate southeast. None to light elsewhere. Temperatures 2 to 90° above normal.

Corn for grain harvest continued. Corn silage, hay harvests, completed. Onion, potato harvests almost complete. Dry bean harvest standstill. Livestock generally good. Movement from summer range nearly complete. Major farm activities: Completing harvests and fall seeding, marketing lambs and calves, preparation for winter.

VIRGINIA: Rain beginning, scattered rain end period. Sunshine mid period. Temperatures averaged well above normal. Range 31 to 76°. Precipitation averaged 1.34 in. west, 0.55 in. east.

Days suitable for fieldwork 5.2. Topsoil moisture 54% short, 46% adequate. Grain corn harvest 82% complete, 83% 1985, 82% avg. Soybean harvest 28% complete, 23% 1985, 35% avg. Peanut digging virtually complete. Combining 98% complete, 100% 1985. Baling peanut vines for alternate feed. Tobacco curing, grading, marketing active. Wheat 44% seeded, 49% 1985, 61% avg. Barley 86% seeded, 83% 1985, 87% avg. Oats 88% seeded, 94% 1985, 93% avg. Pastures mostly fair, some poor. Livestock good. Some late hay cutting. Overseeding pasture, hay land. Cattle sales.

WASHINGTON: Scattered rain showers statewide. Weekly precipitation above normal. Average temperatures ranged 4 to 90° above normal.

Days suitable for fieldwork 5.0. Soil moisture 10% short, 90% adequate. Winter wheat 100% seeded, 99% 1985, 97% avg. Winter wheat emerged 94%, 84% 1985, 88% avg. Potato harvest nearly finished. Apple harvest complete.

WEST VIRGINIA: Temperatures 3 to 60° above normal. Temperature extremes 28° Greenbank; 76° Creston. Average temperature 53°. Precipitation above normal northeast, central, below normal elsewhere. Average precipitation 0.40 in.

Days suitable for fieldwork 5.3. Soil moisture 30% very short, 10% short, 60% adequate. Fall seeding complete.

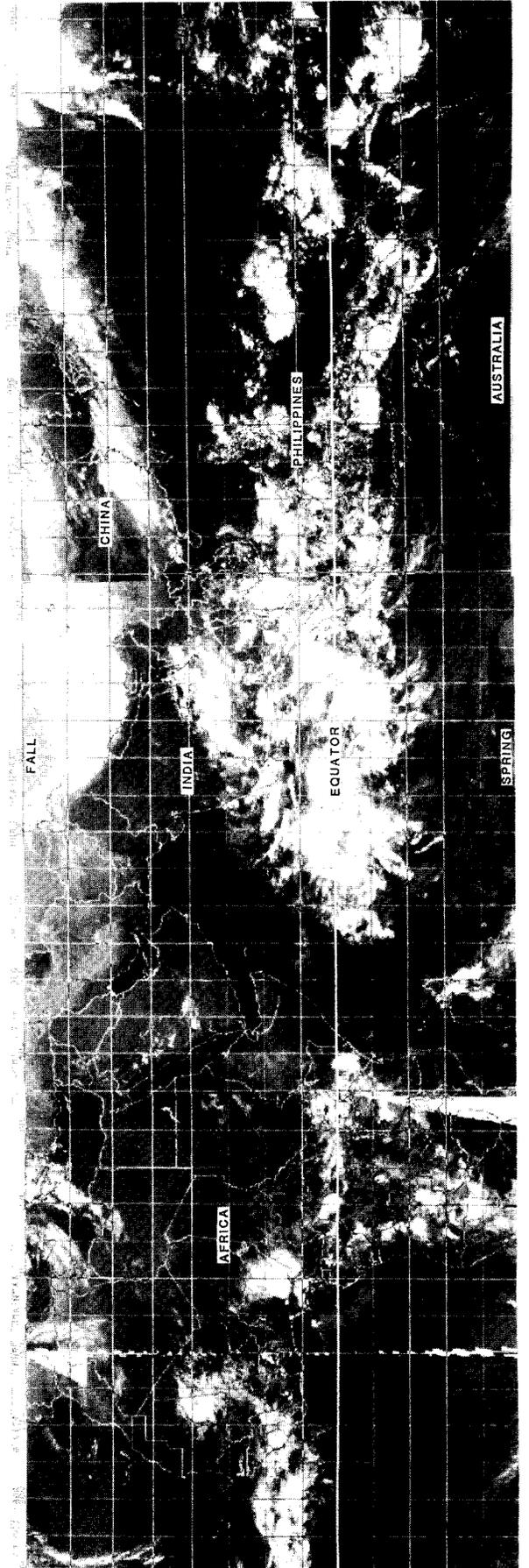
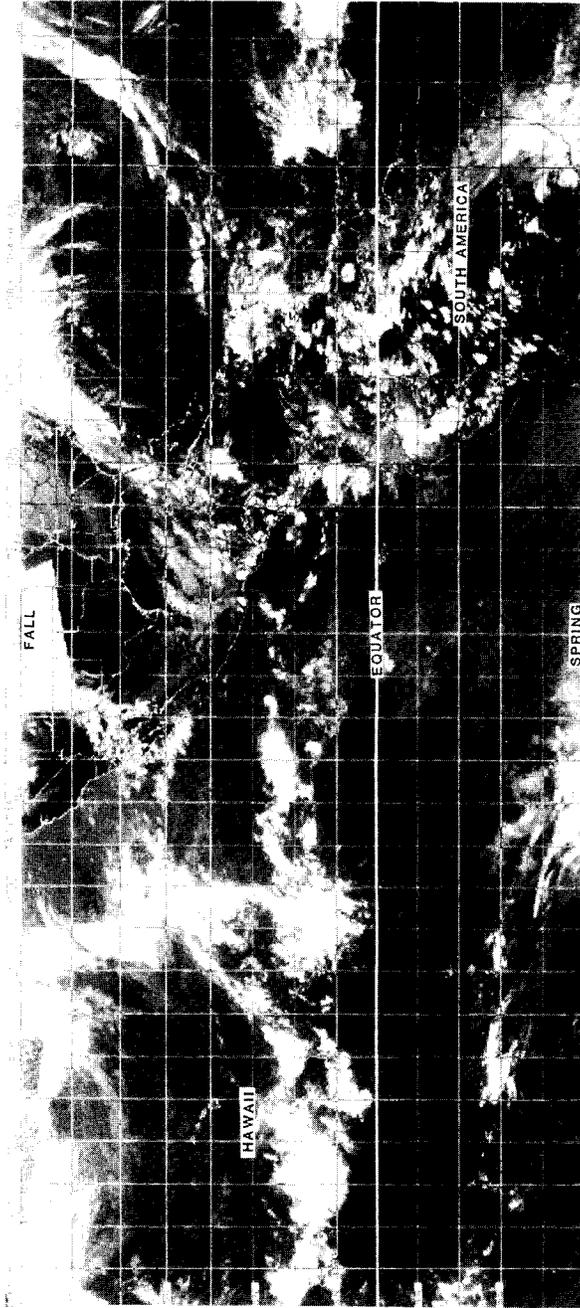
WISCONSIN: Fairly dry week. Temperatures averaged 46°, 40° above normal. Low 15°, high 75°. Rainfall 0.20 to 0.40 in.

Days suitable for fieldwork 5.6. Soil moisture 43% adequate, 57% surplus. Harvest activities progressed at good pace. Corn harvest 39% complete, 30% 1985, 38% avg. Corn yields excellent. Corn silo filling 88%, 89% 1985, 94% avg. Soybean harvest 51% complete, 43% 1985, 53% avg. Grain dryers being used. Fall plowing 25% complete, 28% 1985, 30% avg. Some alfalfa poor condition due to excess water.

WYOMING: Temperatures above normal. Precipitation mostly below normal.

Global Weather Satellite Image

October 27, 1986



International Weather and Crop Summary

October 26 - November 1, 1986

October 1986

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

HIGHLIGHTS:

UNITED STATES ... Drier weather across most of the eastern half of the Nation spurs row crop harvest and winter wheat seeding. Rain and wet soils limit harvest in Kansas, Missouri, Oklahoma, and some Atlantic Coast States.

WESTERN U.S.S.R. ... Seasonable cold weather eases crops into dormancy in the north, but unusual cold weather in the south slows plant establishment.

EUROPE ... The first significant rain of the season covers crop areas in Greece. Dry weather in southwestern France helps corn harvesting. Showers across the north favor winter grain establishment.

SOUTH ASIA ... Scattered showers fall in India's southern most cotton areas, but dry weather prevails to the north and east.

EASTERN ASIA ... Dry weather over the North China Plain and the Yangtze Valley helps cotton and rice harvesting. Unusually cold weather slows winter wheat establishment.

SOUTHEAST ASIA ... Scattered showers continue in upland crop areas throughout Southeast Asia.

MEXICO ... Mostly dry weather favors fieldwork in the north. Rain in the eastern corn belt and Yucatan peninsula helps immature crops.

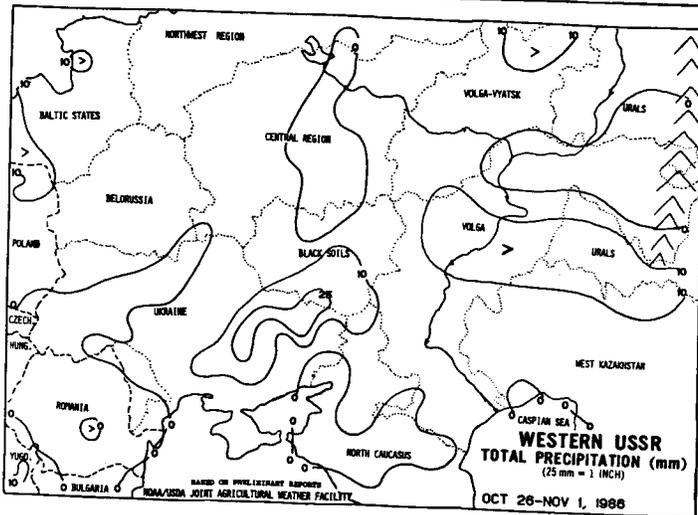
SOUTH AMERICA ... Widespread rain keeps soils moist for summer crop planting in Argentina and much of south-central Brazil.

AUSTRALIA ... Light, scattered rain falls in Australia's grain areas, favoring summer crop planting.

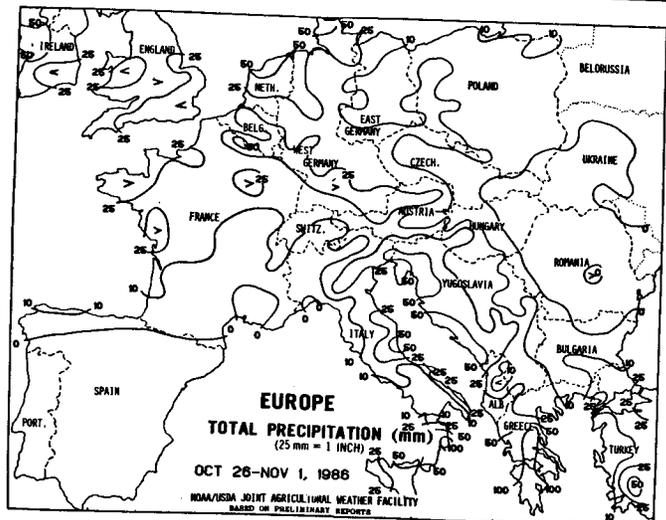
SOUTH AFRICA ... Substantial showers cover South Africa's grain areas, improving soil conditions for maize planting.

NORTHWESTERN AFRICA ... Showers in northeastern Algeria and Tunisia continue to provide favorable planting moisture. Dry weather continues over Morocco.

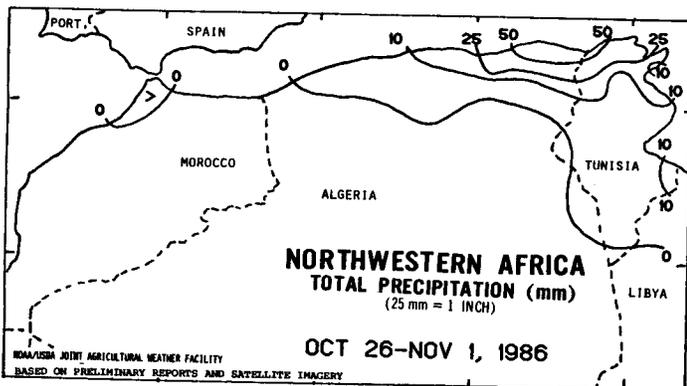
COUNTRY CITY	TEMPERATURE (C)					PRECIPITATION (MM)		
	AVG	AVG	HI	LO	DPART	TOTAL	DPART	
	MAX	MIN	MAX	MIN	AVG	F/NRM	F/NRM	
NORWAY OSLO	9	2	15	-5	5	0.7	91.1	-1.9
SWEDEN STOCKHOLM	10	4	18	-3	7	-0.5	17.8	-33.6
FINLND HELSINKI	8	3	15	-5	6	0.4	81.3	15.0
U KING GLASGOW	13	7	19	2	10	0.1	135.2	5.2
EDINBURGH	13	7	18	1	10	0.1	57.4	0.1
BIRMINGHAM	14	7	20	-1	11	0.6	59.3	7.6
LONDON	16	8	21	0	12	1.1	74.6	12.9
IRELND DUBLIN	14	8	20	3	11	0.4	35.6	-32.7
ICELND REYKJAVIK	4	1	11	-5	2	-2.5	98.6	3.4
DENMRK COPENHAGEN	12	7	16	0	10	0.2	63.2	4.3
LUXEMB LUXEMBOURG	14	8	22	0	11	1.5	113.4	55.5
SWITZL ZURICH	15	7	28	0	11	2.1	74.9	2.9
GENEVA	17	8	23	-1	12	2.6	61.0	-10.8
FRANCE PARIS	18	9	26	2	13	2.3	50.1	3.1
STRASBOURG	16	7	23	0	11	1.4	54.6	16.4
BOURGES	19	9	27	0	14	2.8	60.8	2.7
BORDEAUX	20	11	27	3	16	2.5	82.8	0.6
TOULOUSE	21	12	28	1	16	3.2	20.4	-29.7
MARSEILLE	22	13	29	3	18	2.3	94.4	10.4
SPAIN VALLADOLID	20	9	26	3	15	2.0	31.3	-9.4
MADRID	21	10	26	2	15	0.7	47.8	-5.5
SEVILLE	27	16	32	11	21	1.9	53.8	-14.5
E GRMY LEIPZIG	15	7	23	0	11	1.2	71.7	28.5
DRESDEN	14	7	22	3	11	1.5	68.5	16.5
W GRMY HAMBURG	14	7	22	0	11	1.1	87.7	29.5
BERLIN	14	7	21	2	11	0.8	29.5	-12.0
DUSSELDORF	17	9	24	4	13	2.5	91.8	39.7
STUTTGART	15	5	24	-1	10	0.6	62.6	21.2
NURNBERG	15	5	23	0	10	1.3	102.1	58.1
MUNICH	15	4	24	-2	10	1.3	70.6	13.0
AUSTRI VIENNA	16	6	24	0	11	0.8	33.3	-16.7
INNSBRUCK	17	5	24	-2	11	2.1	28.8	-31.3
CZECH PRAGUE	14	4	22	-1	9	0.7	23.4	-14.2
POLAND WARSAW	13	4	22	-3	8	0.2	29.5	-9.7
LODZ	13	5	22	-1	9	1.0	22.4	-16.7
KATOWICE	14	4	23	-1	9	1.3	26.8	-27.3
PRZEMYSL	13	4	25	-3	9	-0.2	22.9	-24.3
HUNGAR BUDAPEST	16	6	24	-1	11	0.1	19.9	-19.3
YUGOSL SARAJEVO	17	3	26	-5	10	0.4	95.4	-34.6
ROMANI BUCHAREST	17	5	25	-1	11	-0.7	50.7	21.0
BULGAR SOFIA	16	6	26	-2	11	0.1	32.2	5.4
ITALY MILAN	20	8	28	1	14	1.8	14.0	-99.7
VERONA	20	9	27	3	14	1.4	38.0	-36.2
VENICE	19	9	25	3	14	0.5	27.6	-50.5
GENOA	23	16	26	10	19	1.7	41.0	-131.0
ROME	23	13	26	6	18	1.9	51.0	-31.4
NAPLES	24	13	28	8	19	2.8	37.8	-85.0
GREECE THESSALONIKA	20	10	28	-3	15	-0.9	18.0	-32.3
LARISSA	21	10	29	3	15	-0.8	162.0	101.7
ATHENS	22	15	27	11	19	-0.8	57.4	-7.4
TURKEY ISTANBUL	18	12	22	8	15	-0.2	58.8	-5.2
ANKARA	19	2	22	-5	10	-1.4	15.0	-3.0
CYPRUS LARNACA	27	16	29	13	22	0.0	4.1	-21.8
USSR TALLINN	9	4	15	-2	7	0.5	69.9	11.4
LENINGRAD	8	4	13	-3	6	0.5	40.7	-19.8
KAUNAS	11	4	18	-2	7	0.3	17.2	-31.2
MINSK	10	3	17	-3	6	0.1	25.2	-22.0
KAZAN	6	0	13	-7	3	-0.3	50.1	6.9
MOSCOW	8	2	14	-4	5	-0.3	67.8	12.3
SVERDLOVSK	5	-1	14	-9	2	1.1	27.7	-9.0
OMSK	6	-1	18	-10	3	1.1	16.1	-13.9
KUSTANAY	9	-1	16	-10	4	1.3	5.8	-19.9
KRASNOYARSK	7	-4	23	-20	1	0.2	5.7	-28.8
NOVOSIBIRSK	5	-1	17	-10	2	1.2	62.7	32.2
BARNAUL	6	-1	20	-9	2	0.0	29.1	-16.0
KHABAROVSK	8	-2	17	-10	3	-1.3	10.3	-32.2
VLADIVOSTOK	11	4	18	-11	7	-1.4	0.5	-61.8
KIEV	11	3	17	-3	7	-1.1	20.6	-18.5
LVOV	13	2	22	-5	7	-0.3	17.0	-31.5
KIROVOGRAD	12	4	19	-3	8	-0.4	45.7	14.2



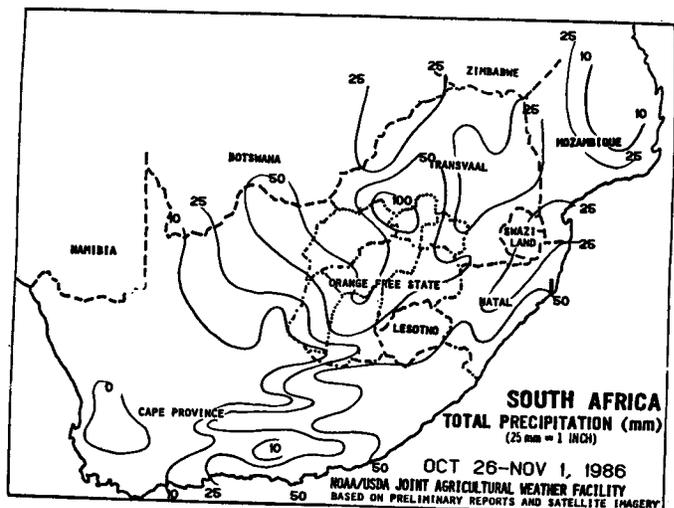
WESTERN U.S.S.R. ... Showers continued over the northeastern Ukraine and southern Volga Valley early in the week. The rain in these areas continued to improve moisture for winter grain establishment. Dry weather from the extreme eastern Ukraine, through the northern North Caucasus, and into the southern Volga continued to limit winter grain emergence and crop establishment. A cold high covered most of the region during the week, easing crops into dormancy in the north and slowing plant establishment in the south. Mild weather is needed in the south to ensure winter wheat becomes well established before entering dormancy.



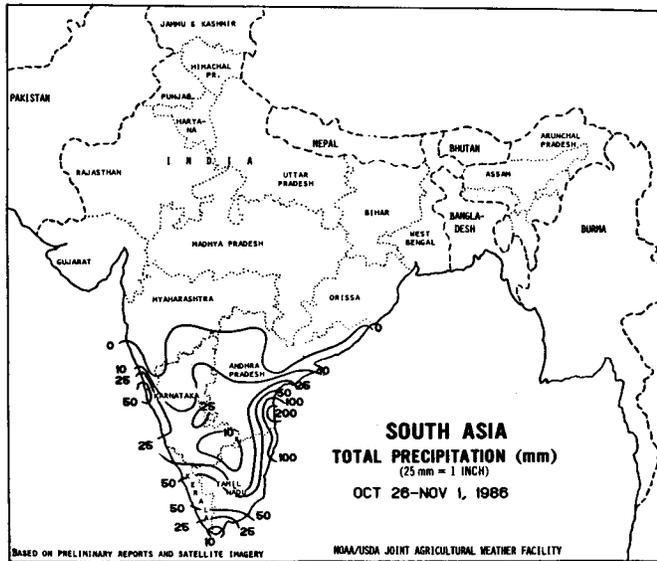
EUROPE ... A slow-moving storm system over the central and eastern Mediterranean brought moderate to heavy rain to much of Greece, southern Italy, and Sicily. Rainfall ranged from 50 to 100mm, with isolated amounts in excess of 100mm. The rain that covered Greece was the first significant precipitation of the normal autumn and winter rainy season. Dry weather over Spain favored fieldwork for winter grain planting. Dry weather over southwestern France, Romania, and Bulgaria helped corn harvesting. Light showers (10 to 25mm) over England, northern France, and much of northern Europe favored winter grain establishment. Weekly temperatures were near normal over most of the region except the southeast, where temperatures were below normal.



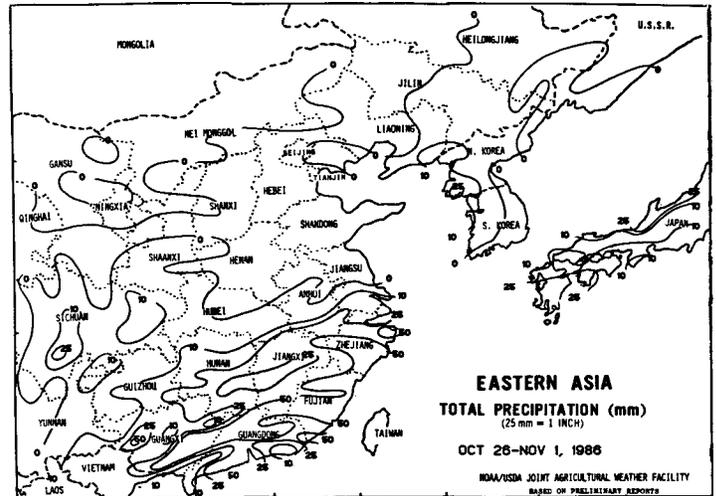
NORTHWESTERN AFRICA ... Dry weather covered winter grain areas in Morocco and northwestern Algeria. Early-week widespread rain (25 to 50mm) covered crop areas in northeastern Algeria and northern Tunisia. Winter grains are normally being planted in northeastern Algeria and northern Tunisia. Planting will begin soon over the remainder of the region.



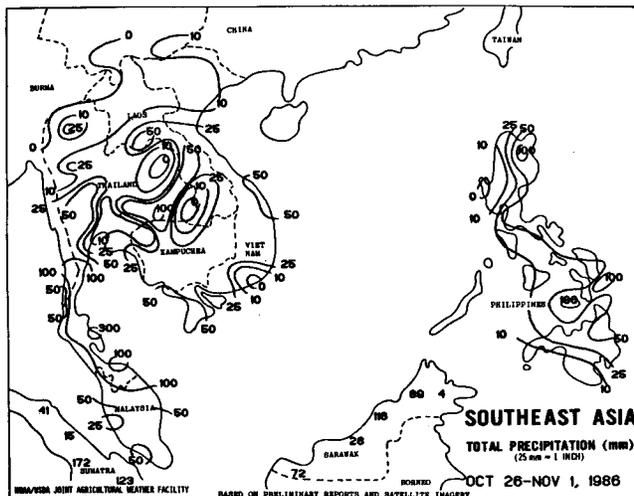
SOUTH AFRICA ... Beneficial showers (25 to 136mm) covered South Africa's maize producing region, increasing soil moisture reserves for the upcoming growing season. Most areas of the Maize Triangle had benefited from shower activity since early-September, but some drier-than-normal areas persisted in the Transvaal and Orange Free State. The recent rainfall covered all areas of the Maize Triangle as well as outlying crop areas in the northern Transvaal and the southern Cape Province. Planting normally ranges from October to December but will be well underway throughout South Africa in early November in response to the favorable weather.



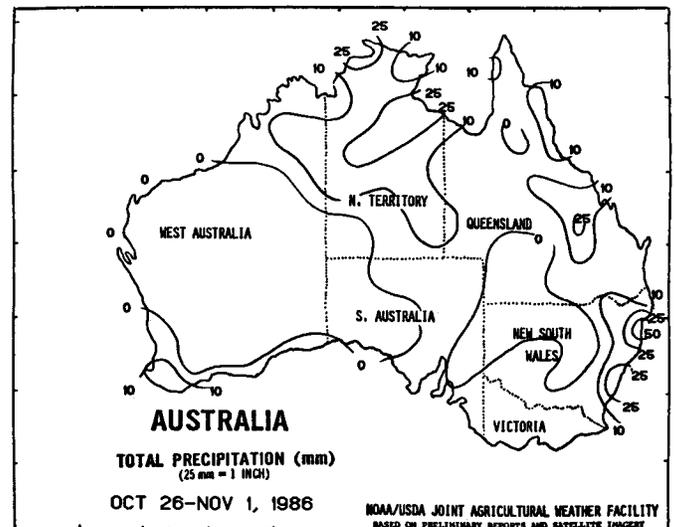
SOUTH ASIA ... Light to moderate scattered showers (5 to more than 30mm) fell in southern India from southern Maharashtra to Tamil Nadu, aiding cotton that is mostly in the boll forming stage. Cotton areas further north remained dry. Heavy showers (50 to more than 200mm) fell in coastal areas of Tamil Nadu and southern Andhra Pradesh, likely causing local flooding. Dry weather in the northern wheat areas was unfavorable for the emergence and establishment of wheat. The dryness in eastern India from northern Andhra Pradesh to the far eastern states was unfavorable for grain filling rice.



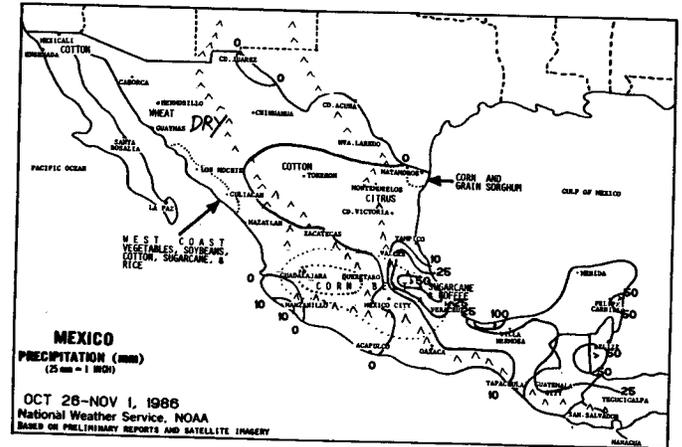
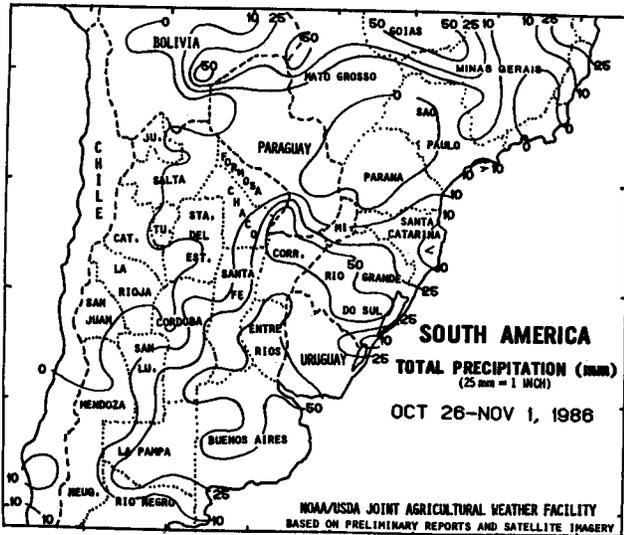
EASTERN ASIA ... Dry weather covered the North China Plain, helping cotton harvesting. However, the weather was unseasonably cold. Weekly temperatures averaged 2 to 3 degrees below normal, which was unfavorable for late-developing cotton and slowed winter wheat establishment. Winter wheat normally enters dormancy by mid-November in the north and by mid-December near the Yangtze Valley. Dry weather in the Yangtze Valley aided rice harvesting, but wet weather (25 to 50mm) over southern China delayed harvest. Moisture conditions are mostly favorable for winter grain establishment in Korea.



SOUTHEAST ASIA ... Scattered, tropical showers fell throughout rainfed crop areas of Southeast Asia. Rainfall averaged less than 15mm in upland rice areas of northern and northeast Thailand, but scattered, heavy showers (50 to more than 100mm) fell in southern rice areas. Light rain fell in northern Vietnam and northern Laos, but mostly moderate to heavy showers (25 to more than 50mm) fell elsewhere in Indochina. Mostly heavy showers (50 to more than 200mm) covered the Malay Peninsula. In the Philippines, light rain fell in western Luzon, but heavy showers (50 to 125mm) fell in the east and south. Moderate to heavy tropical showers fell in the southern islands.



AUSTRALIA ... Rainfall averaged less than 5mm throughout Australia's grain areas, favoring summer crop planting after the recent beneficial showers. Shower activity since mid-September had improved soil conditions in previously dry crop areas of northern New South Wales and Queensland for both winter and summer crops. However, wet weather since early October delayed wheat harvesting in northernmost grain areas of Queensland. Wheat is mostly grain filling to maturing in eastern Australia and grain filling in the south and west. Temperatures were mild, averaging 15 to 18 degrees C throughout the major growing areas with somewhat higher temperatures in Queensland (21 to 23 degrees C).



SOUTH AMERICA ... Widespread showers kept most crop areas of Argentina and south-central Brazil well supplied with moisture for crop development. Beneficial rain continued at periodic intervals over Argentina's primary summer crop areas. Corn planting has advanced to about 60 percent complete while sunflowers were about 30 percent sown. Winter wheat is in the grain filling period. Rainfall slackened over the western half of Argentina's cotton area, but substantial showers (25 to over 50mm) fell in eastern areas. The heavy rain extended into Rio Grande do Sul, Brazil slowing the wheat harvest that is about 50 percent complete. Early soybean planting is underway in Brazil. Dry weather prevailed over most of Parana, Sao Paulo and southern Mato Grosso do Sul, allowing fieldwork following last week's beneficial rain. Significant rain (25 to 75mm) fell across the north, improving conditions in Goias for planting and in southwestern Minas Gerais for coffee tree flowering. Dry weather prevailed in eastern coffee areas of Minas Gerais.

MEXICO ... Dry weather in northwestern winter wheat areas favored land preparation and planting. Light showers (less than 5mm) caused little or no fieldwork delays in the northeast. Clear skies returned to the west coast farming region following last week's tropical rain. In the Southern Plateau corn belt, dryness favored harvesting, except in the east where locally heavy showers (25 to over 100mm) extended southward to the Yucatan Peninsula. The rain slowed harvesting but improved moisture conditions for immature crops in the southeast.

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