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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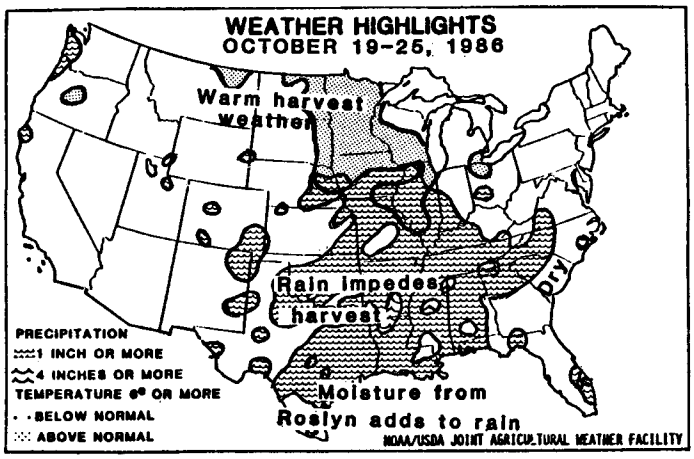
National Weather Summary

October 19 to 25, 1986



HIGHLIGHTS: A stagnant weather pattern early in the week caused precipitation in the Great Basin and central and southern Rockies, and high pressure and clear skies dominated much of the rest of the Nation. A slow moving storm system, fueled by moisture from the remnants of the Pacific Hurricane Roslyn, brought widespread rain to central and eastern United States through the remainder of the week. Presistent thundershowers stretched along the southeastern Florida coast, and a Pacific storm brought rain to the northern west coast. Warm harvest weather prevailed over the northern Great Plains.

SUNDAY...A large high stationary pressure system provided fair weather to the eastern half of the Nation except in southeastern Florida where rain and thunderstorms continued. A storm system brought more scattered showers to the Great Basin and central and southern Rockies.

MONDAY...The stagnant weather continued with high pressure dominating the East and a low pressure system bringing scattered precipitation to the Great Basin and central and southern Rockies. Rain spread into the central and southern High Plains while thunderstorms remained along Florida's southeastern coast. Rain also fell along the southern coast of Texas.

TUESDAY...Precipitation spread across the central and southern Great Plains and western Gulf coast while lingering in the central Rockies. Another storm system brought scattered showers to the Northeast. Skies were sunny across the Southeast except in southeastern Florida where showers persisted.

WEDNESDAY...Moisture from the renmants of Hurricane Roslyn streamed across northern Mexico into southern Texas and triggered rain and thundershowers. Precipitation covered the Mississippi Valley, central and southern Plains, central Rockies, and Great Lakes. More rain fell along the southeastern Florida coast. High pressure and fair weather prevailed over the remainder of the country.

THURSDAY...A slow moving storm system produced rain over much of the central United States with heavy rainfall in the lower Mississippi Valley. Scattered rain fell across the Northeast, and a frontal system caused scattered showers along the central Pacific coast. Hight pressure again dominated the rest of the Nation.

FRIDAY...The storm system drifted eastward bringing light to moderate rain from the southern edge of the Great Lakes to the Gulf coast. Rain lingered over the lower half of the Missouri Valley, and thunderstorms were scattered over the southern High Plains. A storm system off the Pacific coast brought rain to western Oregon and Washington.

SATURDAY...Widespread rain fell across the middle Mississippi Valley, Ohio Valley, lower Great Lakes, and the Atlantic Coast States from the Carolinas to Maryland. The Pacific storm system brought more rain to Washington. High pressure and clear skies continued over the remaining western half of the Nation.

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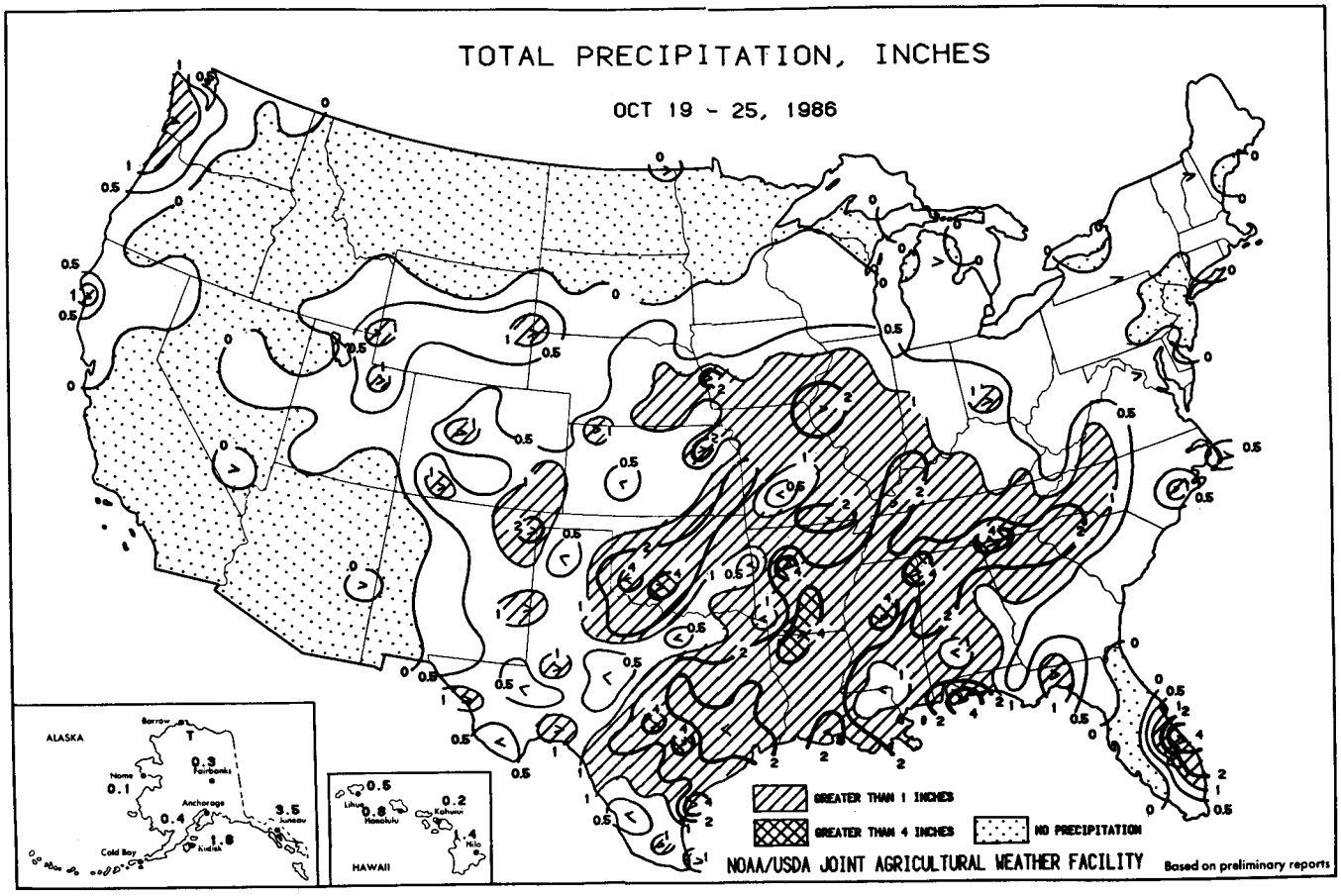
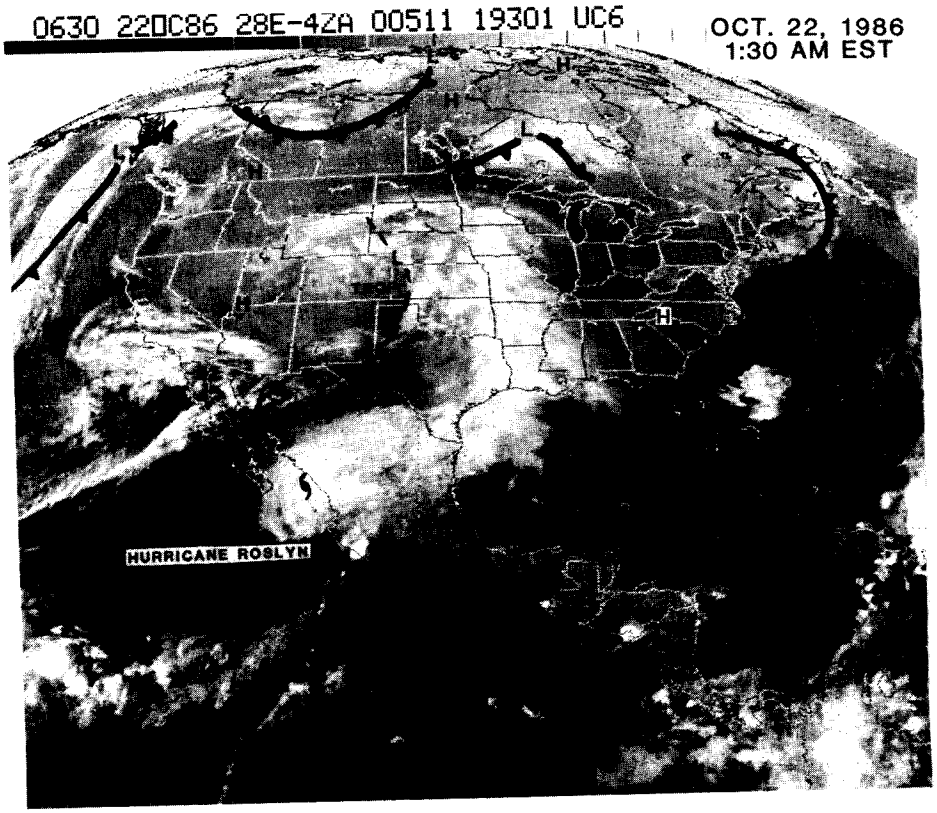
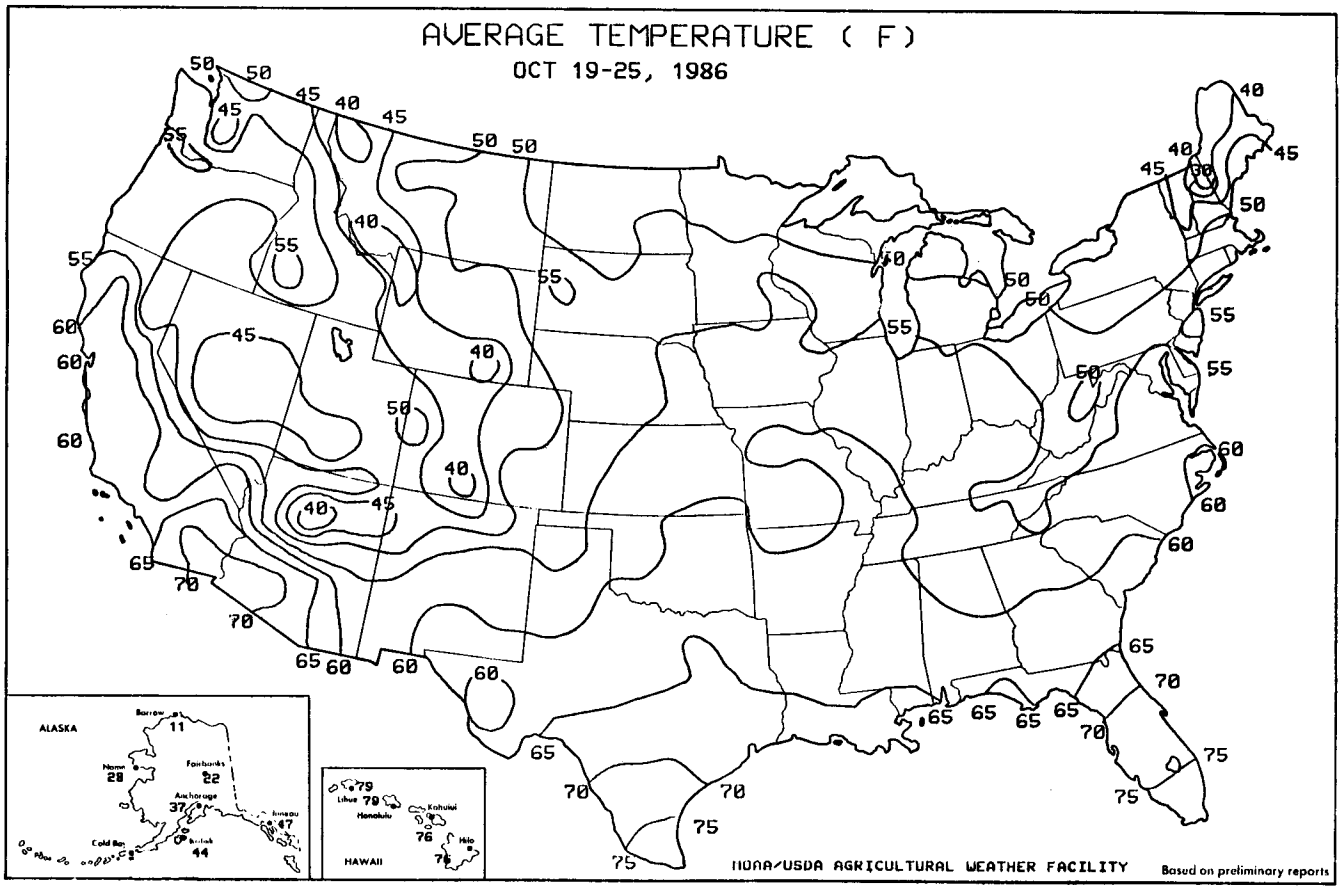


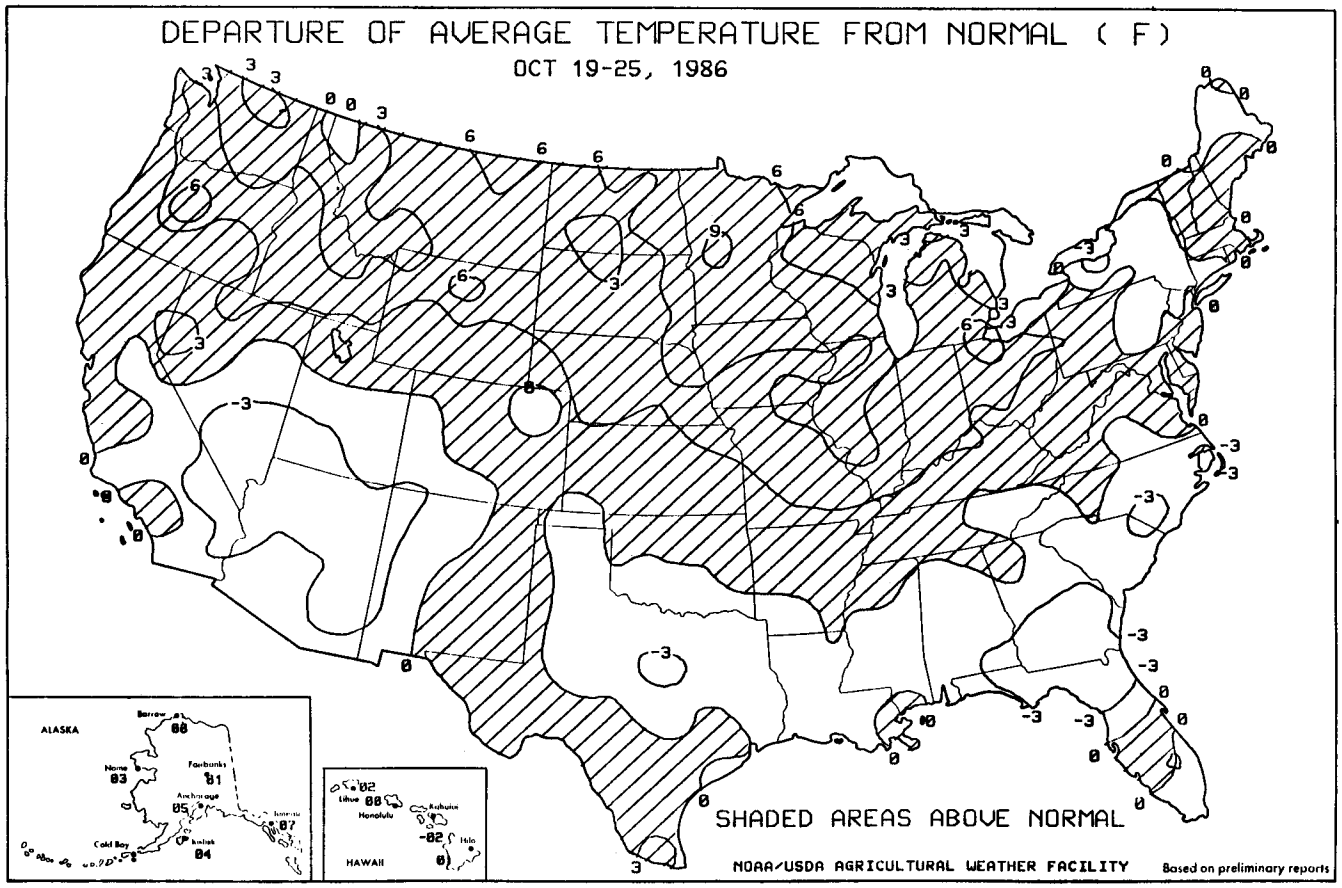


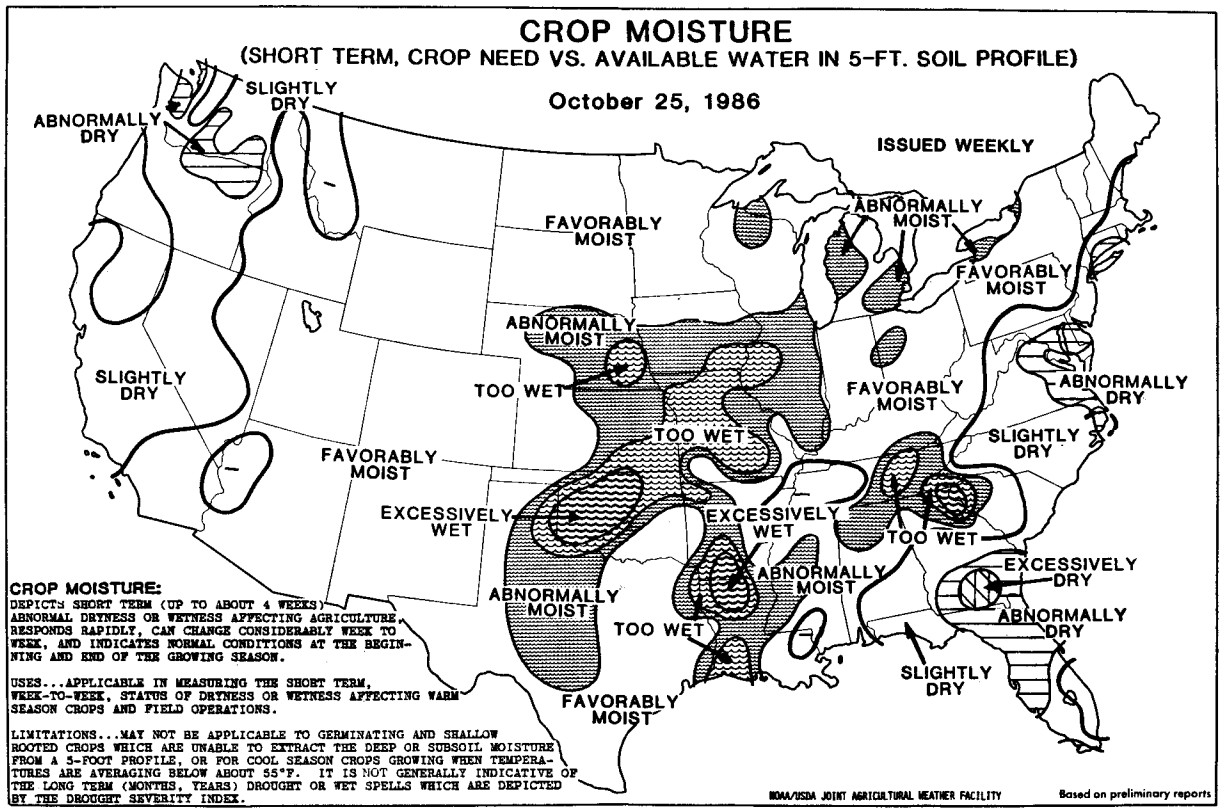
HEAVY RAIN FALLS AS HURRICANE ROSLYN MOVES ASHORE ONTO THE NORTH-CENTRAL PACIFIC COAST OF MEXICO. MOISTURE FROM ROSLYN FLOWS ACROSS NORTHERN MEXICO INTO THE CENTRAL UNITED STATES WHERE RAIN IS FALLING OVER THE GREAT PLAINS AND MISSISSIPPI VALLEY.

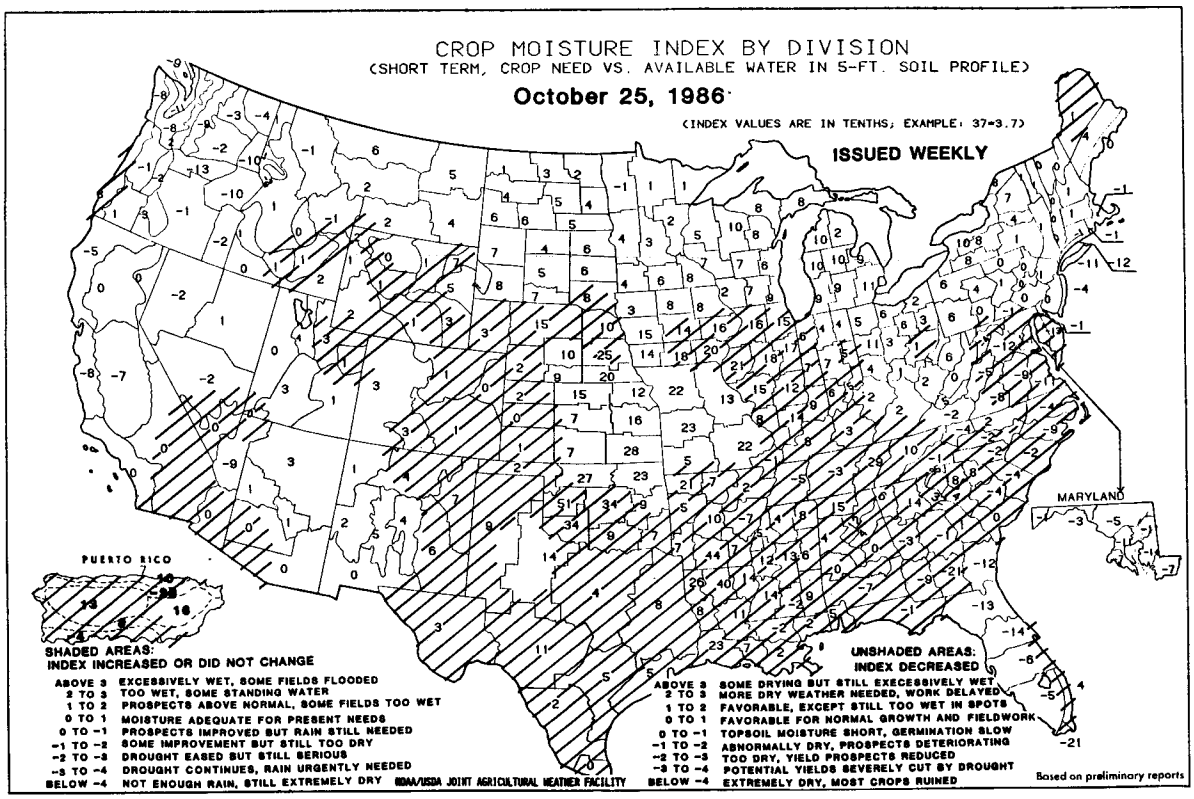
HIGH PRESSURE AND FAIR WEATHER DOMINATE THE EASTERN AND WESTERN THIRDS OF THE NATION.

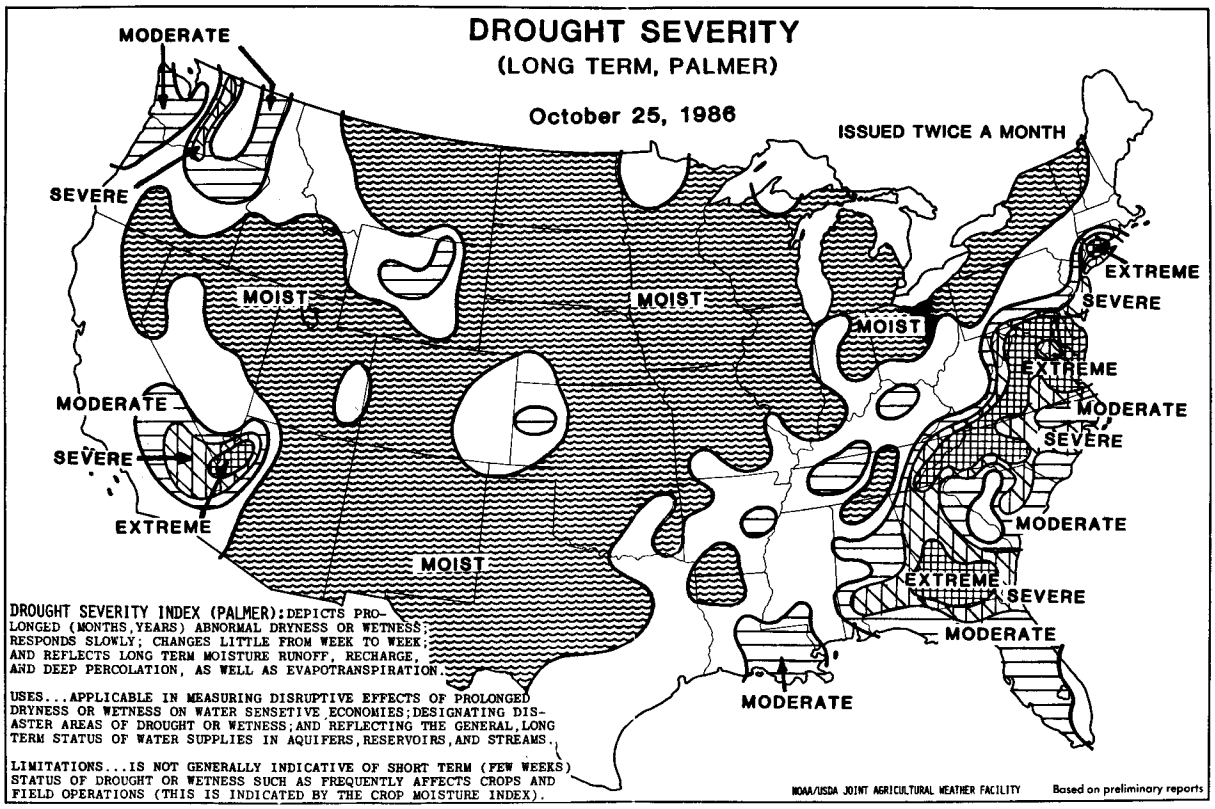


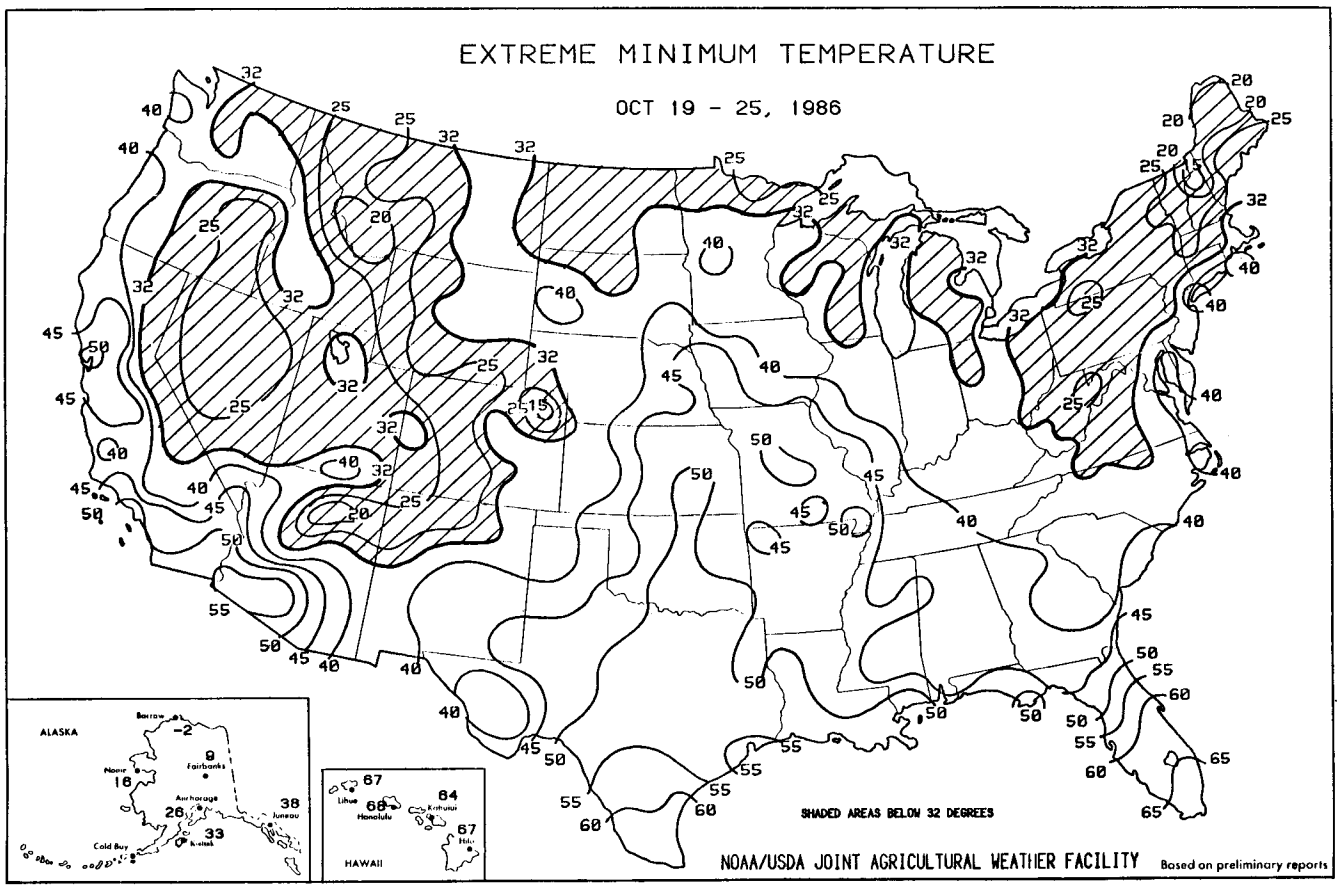
Point values may differ on these computerized maps from the reported values in the tables.



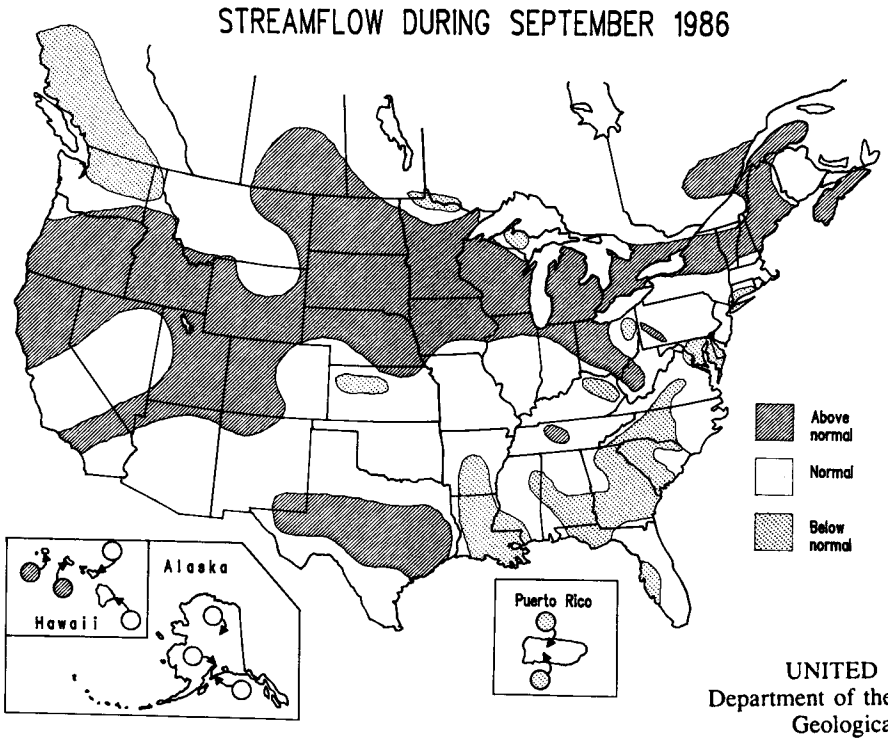

CROP MOISTURE
(SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE)
October 25, 1986
ISSUED WEEKLY
ABNORMALLY DRY
SLIGHTLY DRY
FAVORABLY MOIST
ABNORMALLY MOIST
TOO WET
EXCESSIVELY WET
EXCESSIVELY DRY
CROP MOISTURE:
DEPICTS SHORT TERM (UP TO ABOUT 4 WEEKS) ABNORMAL DRYNESS OR WETNESS AFFECTING AGRICULTURE. RESPONDS RAPIDLY, CAN CHANGE CONSIDERABLY WEEK TO WEEK, AND INDICATES NORMAL CONDITIONS AT THE BEGINNING AND END OF THE GROWING SEASON.
USES...APPLICABLE IN MEASURING THE SHORT TERM, WEEK-TO-WEEK, STATUS OF DRYNESS OR WETNESS AFFECTING WARM SEASON CROPS AND FIELD OPERATIONS.
LIMITATIONS...MAY NOT BE APPLICABLE TO GERMINATING AND SHALLOW ROOTED CROPS WHICH ARE UNABLE TO EXTRACT THE DEEP OR SUBSOIL MOISTURE FROM A 5-FOOT PROFILE, OR FOR COOL SEASON CROPS GROWING WHEN TEMPERATURES ARE AVERAGING BELOW ABOUT 55°F. IT IS NOT GENERALLY INDICATIVE OF THE LONG TERM (MONTHS, YEARS) DROUGHT OR WET SPELLS WHICH ARE DEPICTED BY THE DROUGHT SEVERITY INDEX.
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


CROP MOISTURE INDEX BY DIVISION
(SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE)
October 25, 1986
(INDEX VALUES ARE IN TENTHS; EXAMPLE: 37=3.7)
ISSUED WEEKLY
PUERTO RICO
MARYLAND
SHADED AREAS: INDEX INCREASED OR DID NOT CHANGE
ABOVE 3 EXCESSIVELY WET, SOME FIELDS FLOODED
2 TO 3 TOO WET, SOME STANDING WATER
1 TO 2 PROSPECTS ABOVE NORMAL, SOME FIELDS TOO WET
0 TO 1 MOISTURE ADEQUATE FOR PRESENT NEEDS
0 TO -1 PROSPECTS IMPROVED BUT RAIN STILL NEEDED
-1 TO -2 SOME IMPROVEMENT BUT STILL TOO DRY
-2 TO -3 DROUGHT EASED BUT STILL SERIOUS
-3 TO -4 DROUGHT CONTINUES, RAIN URGENTLY NEEDED
BELOW -4 NOT ENOUGH RAIN, STILL EXTREMELY DRY
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
UNSHADED AREAS: INDEX DECREASED
ABOVE 3 SOME DRYING BUT STILL EXCESSIVELY WET
2 TO 3 MORE DRY WEATHER NEEDED, WORK DELAYED
1 TO 2 FAVORABLE, EXCEPT STILL TOO WET IN SPOTS
0 TO 1 FAVORABLE FOR NORMAL GROWTH AND FIELDWORK
0 TO -1 TOPSOIL MOISTURE SHORT, GERMINATION SLOW
-1 TO -2 ABNORMALLY DRY, PROSPECTS DETERIORATING
-2 TO -3 TOO DRY, YIELD PROSPECTS REDUCED
-3 TO -4 POTENTIAL YIELDS SEVERELY CUT BY DROUGHT
BELOW -4 EXTREMELY DRY, MOST CROPS RUINED
Based on preliminary reports


DROUGHT SEVERITY
(LONG TERM, PALMER)
October 25, 1986
ISSUED TWICE A MONTH
MODERATE
SEVERE
MOIST
MOIST
MOIST
EXTREME
SEVERE
EXTREME
MODERATE
SEVERE
MODERATE
SEVERE
EXTREME
MODERATE
MOIST
EXTREME
SEVERE
MODERATE
MODERATE
DROUGHT SEVERITY INDEX (PALMER): DEPICTS PROLONGED (MONTHS, YEARS) ABNORMAL DRYNESS OR WETNESS; RESPONDS SLOWLY; CHANGES LITTLE FROM WEEK TO WEEK; AND REFLECTS LONG TERM MOISTURE RUNOFF, RECHARGE, AND DEEP PERCOLATION, AS WELL AS EVAPOTRANSPIRATION.
USES...APPLICABLE IN MEASURING DISRUPTIVE EFFECTS OF PROLONGED DRYNESS OR WETNESS ON WATER SENSETIVE ECONOMIES; DESIGNATING DISASTER AREAS OF DROUGHT OR WETNESS; AND REFLECTING THE GENERAL, LONG TERM STATUS OF WATER SUPPLIES IN AQUIFERS, RESERVOIRS, AND STREAMS.
LIMITATIONS...IS NOT GENERALLY INDICATIVE OF SHORT TERM (FEW WEEKS) STATUS OF DROUGHT OR WETNESS SUCH AS FREQUENTLY AFFECTS CROPS AND FIELD OPERATIONS (THIS IS INDICATED BY THE CROP MOISTURE INDEX).
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


EXTREME MINIMUM TEMPERATURE
OCT 19 - 25, 1986
ALASKA
Barrow
Nome
Fairbanks
Anchorage
Juneau
Cold Bay
Kodiak
HAWAII
Lihue
Honolulu
Kahului
Hilo
SHADED AREAS BELOW 32 DEGREES
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports

National Water Conditions for September



UNITED STATES
Department of the Interior
Geological Survey

CANADA
Department of the Environment
Water Resources Branch

During September, below-normal flows persisted in parts of the Southeast, although no new record-low flows were set for the month in that part of the Nation. This marked the first time, however, since February 1986, that no new monthly record-low flows were set in the Southeast. The only two gaging stations in the conterminous United States that reported record-low flows were in New York and Maryland. In the mid-Atlantic region, streamflows throughout the Maryland-Delaware area were extremely low.

Flooding occurred at the end of September and continued into October in Montana and in a broad band extending from Oklahoma to western Pennsylvania. Peak floodflows on many streams in Illinois, Missouri, Oklahoma, and Montana approached or exceeded record-high levels, with recurrence intervals ranging from 25 years to over 100 years. A recurrence interval of 100 years means that a floodflow of that magnitude has a 1 percent chance of occurring in any given year. The Big Sioux River at Akron, Iowa and the Clearwater River at Spalding, Idaho also set record-high flows for September.

The combined flow of the three largest rivers (Mississippi, St. Lawrence, and Columbia) was about 10 percent above average for September. Flow of the Missouri River was 97 percent above the long-term September average, reflecting widespread flooding in tributary streams in the river's drainage basin.

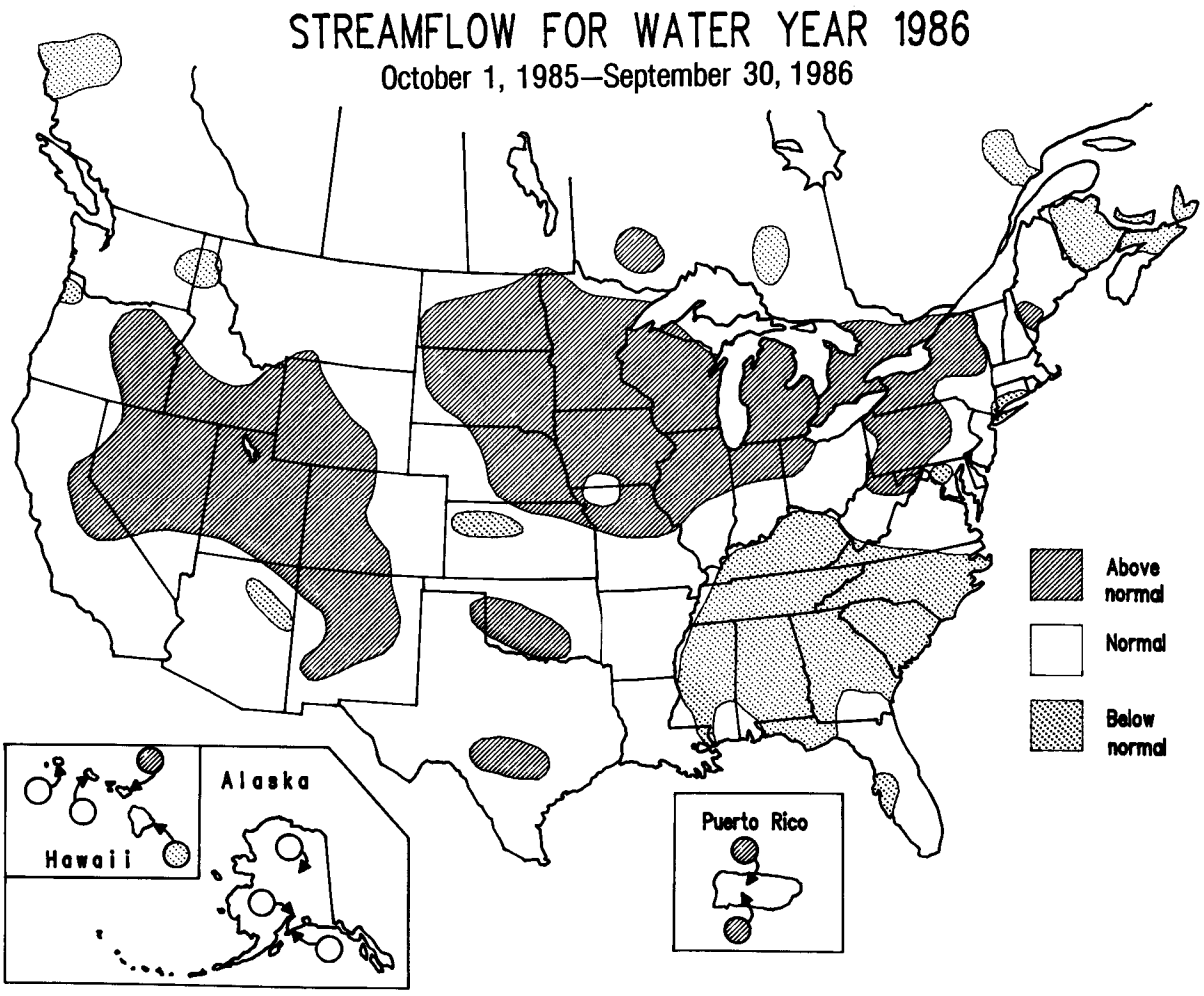
The contents of 86 percent of the key index reservoirs reported for September were near or above average for the end of the month. The only reservoirs that reported significant declines in contents during the month and also below-average contents at month's end were Clark Hill along the South Carolina-Georgia border, Douglas Lake in the Tennessee Valley, Lake Cushman in Washington, Pend Oreille Lake in Idaho, and Buffalo Bill in Wyoming. Most reservoirs in Oklahoma were nearly full by the end of the month.

Streamflow for Water Year 1986

Streamflows across the Nation for the 1986 water year were generally normal to above normal, except that extreme dry conditions persisted over much of the Southeast for most of the year. The water year runs from October 1 to September 30 and begins and ends during a period of generally low streamflow. Of the 174 key index streamflow gaging stations across the country, 64 stations (37 percent) had flows in the above-normal range, 76 stations (44 percent) had flows in the normal range, and 34 stations (20 percent) had flows in the below-normal range.

The upper Great Lakes region, parts of the upper Great Plains, and several of the Rocky Mountain States experienced prolonged high streamflows. Reflecting the continuous high levels of the Great Lakes, for example, the St. Lawrence River flow has been in the above-normal range for 23 consecutive months and set a new record-high flow of 211 billion gallons per day (bgd) for September, the highest September flow in 126 years of record. The combined flow of the Nation's three largest rivers (Mississippi, St. Lawrence, and Columbia) averaged 719 (bgd), well above the long-term average for the water years of record.

In the Southeast, which was plagued by extremely dry conditions throughout the year, only one of the 38 index stations in the region had an average flow in the above-normal range. Of the remaining southeastern stations, 10 (26 percent) were in the normal range and 27 (71 percent) were in the below-normal range.



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 10-25-1986
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 PRCT	CUM DEV FROM L YR PRCT
AL BIRMINGHAM	BHM	38	-3	38	86	-14	24	**	**
AL MOBILE	MOB	16	1	16	32	4	9	**	**
AL MONTGOMERY	MGM	29	3	29	55	2	32	**	**
AK ANCHORAGE	ANC	198	-35	-101	1574	-143	-181	-8	-10
AK BARROW	BRW	374	-6	-67	3528	-380	-403	-10	-10
AK FAIRBANKS	FAI	297	-13	-121	1803	-157	-142	-8	-7
AK JUNEAU	JNU	127	-47	-71	1376	-265	-316	-16	-19
AK KODIAK	ADQ	144	-34	-98	1592	-110	-125	-6	-7
AK NOME	OME	257	-21	-83	2457	-36	41	-1	2
AZ FLAGSTAFF	FLG	172	32	48	981	226	151	30	18
AZ PHOENIX	PHX	0	-5	0	0	-5	0	**	**
AZ PRESCOTT	PRC	106	19	48	440	157	121	55	38
AZ TUCSON	TUS	2	-10	2	11	-3	2	**	**
AZ WINSLOW	INW	104	26	43	370	172	72	87	24
AZ YUMA	YUM	0	-3	0	0	-3	0	**	**
AR FORT SMITH	FSM	22	-20	22	93	-13	-19	-12	-17
AR LITTLE ROCK	1M1	17	-22	17	84	-11	-3	**	**
CA BAKERSFIELD	BFL	11	-6	-27	53	25	-8	**	**
CA EUREKA	EKA	68	-10	10	943	-87	71	-8	8
CA FRESNO	FAT	7	-20	-22	29	-25	-18	**	**
CA LOS ANGELES	LAX	6	-8	0	35	-60	25	**	**
CA RED BLUFF	RBL	17	-10	-29	58	2	-30	**	**
CA SACRAMENTO	SAC	18	-8	-19	90	36	7	**	**
CA SAN DIEGO	SAN	5	-5	3	14	-14	11	**	**
CA SAN FRANCISCO	SFO	36	-2	-8	355	-25	93	-7	35
CA STOCKTON	SCK	19	-5	-27	89	46	-21	**	**
CO DENVER	DEN	112	3	43	539	101	-55	23	-9
CO GRAND JUNCTION	GJT	96	7	13	473	180	29	61	7
CO PUEBLO	PUB	92	-2	18	441	108	-55	32	-11
CT BRIDGEPORT	BDR	86	9	21	335	80	102	31	44
CT HARTFORD	BDL	93	-10	-12	508	108	84	27	20
DE WILMINGTON	ILG	74	-3	48	262	23	99	10	61
DC WASHINGTON	DCA	47	-9	20	174	24	82	16	89
FL APALACHICOLA	AQQ	10	2	10	13	2	11	**	**
FL DAYTONA BEACH	DAB	0	0	0	0	0	0	**	**
FL FORT MEYER	FMY	0	0	0	0	0	0	**	**
FL JACKSONVILLE	JAX	18	11	18	23	10	21	**	**
FL KEY WEST	EYW	0	0	0	0	0	0	**	**
FL MIAMI	MIA	0	0	0	0	0	0	**	**
FL ORLANDO	MCO	0	0	0	0	0	0	**	**
FL TALLAHASSEE	TLH	30	19	30	45	27	34	**	**
FL TAMPA	TPA	0	0	0	0	0	0	**	**
FL WEST PALM BEACH	PBI	0	0	0	0	0	0	**	**
GA ATLANTA	ATL	30	-7	22	100	7	49	**	**
GA AUGUSTA	AGS	37	5	34	70	-2	45	**	**
GA MACON	MCN	41	15	41	85	31	54	**	**
GA SAVANNAH	SAV	28	11	28	50	15	36	**	**
HI HILO-HAWAII	ITO	0	0	0	0	0	0	**	**
HI HONOLULU-OAHU	HNL	0	0	0	0	0	0	**	**
HI KAHULUI-MAUI	OGG	0	0	0	0	0	0	**	**
HI LIHUE-KAUAI	LIH	0	0	0	0	0	0	**	**
ID BOISE	BOI	70	-38	-19	575	121	-94	27	-14
ID LEWISTON	LWS	82	-28	-19	469	21	-161	5	-26
ID POCATELLO	PIH	109	-26	5	774	141	-70	22	-8
IL CHICAGO	ORD	51	-47	-16	373	23	-68	7	-15
IL MOLINE	MLI	64	-35	5	370	23	-26	7	-7
IL PEORIA	PIA	52	-44	7	298	-33	-30	-10	-9
IL QUINCY	UIN	39	-45	10	257	-25	-35	-9	-12
IL ROCKFORD	RFD	66	-42	0	462	28	-24	6	-5
IL SPRINGFIELD	SPI	38	-45	10	258	-9	-7	-3	-3
IN EVANSVILLE	EVV	42	-30	15	212	-8	5	-4	2
IN FORT WAYNE	FWA	72	-30	19	389	4	33	1	9
IN INDIANAPOLIS	IND	58	-31	19	305	7	26	2	9
IN SOUTH BEND	SBN	68	-31	12	426	36	64	9	18
IA DES MOINES	DSM	58	-39	-5	380	44	-94	13	-20
IA DUBUQUE	DBQ	70	-52	-6	506	22	-127	5	-20
IA SIOUX CITY	SUX	56	-51	-3	420	32	-136	8	-24
IA WATERLOO	ALO	68	-52	-11	492	-21	-76	-4	-13
KS CONCORDIA	CNK	58	-17	23	277	22	-110	9	-28
KS DODGE CITY	DDC	68	-2	22	266	53	-144	25	-35
KS GOODLAND	GLD	88	-19	19	387	-10	-194	-3	-33
KS TOPEKA	TOP	45	-31	11	235	-26	-98	-10	-29
KS WICHITA	ICT	46	-16	23	197	11	-94	6	-32
KY BOWLING GREEN	BWG	53	-14	36	202	4	24	2	13
KY LEXINGTON	LEX	55	-21	26	229	-17	20	-7	10
KY LOUISVILLE	SDF	44	-25	18	189	-20	19	-10	11
LA ALEXANDRIA	AEX	6	-13	6	38	-1	14	**	**
LA BATON ROUGE	BTR	5	-11	5	21	-6	6	**	**
LA LAKE CHARLES	LCH	2	-13	2	15	-10	5	**	**
LA NEW ORLEANS	MSY	5	-7	5	17	2	6	**	**
LA SHREVEPORT	SHV	16	-8	16	66	20	26	**	**
ME CARIBOU	CAR	165	-3	32	1225	155	343	14	39
ME PORTLAND	PWM	126	-4	5	754	85	231	13	44
MD BALTIMORE	BWI	59	-15	24	244	31	82	15	51
MD SALISBURY	SBY	69	0	48	233	30	98	15	73
MA BOSTON	BOS	78	-7	-1	407	75	113	23	38
MA CHATHAM	CHH	101	11	27	452	19	142	4	46
MI ALPENA	APN	123	-17	10	863	45	65	6	8
MI DETROIT	DTW	74	-35	15	419	-21	5	-5	1
MI FLINT	FNT	89	-27	15	539	8	39	2	8
MI GRAND RAPIDS	GRR	79	-36	-6	548	59	34	12	7
MI HOUGHTON LAKE	HTL	107	-38	17	747	-51	23	-6	3
MI LANSING	LAN	84	-32	5	568	60	33	12	6
MI MARQUETTE	MQT	132	-28	-3	1163	138	19	13	2
MI MUSKEGON	MKG	92	-23	16	574	70	62	14	12
MI SAULT ST MARIE	SSM	123	-29	6	1048	52	83	5	9
MN ALEXANDRIA	AXN	83	-64	-13	744	33	-96	5	-11
MN DULUTH	DLH	110	-53	-18	1114	108	-77	11	-6
MN INT'L FALLS	INL	119	-53	-3	1107	40	-111	4	-9
MN MINNEAPOLIS	MSP	69	-61	-13	604	59	-94	11	-13
MN ROCHESTER	RST	72	-64	-23	700	88	-95	14	-12
MN SAINT CLOUD	STC	103	-42	-1	790	68	-106	9	-12
MS GREENWOOD	GWO	17	-21	17	61	-34	8	**	**
MS JACKSON	JAN	20	-10	20	53	-10	-4	**	**
MS MERIDIAN	MEI	36	3	36	70	-12	15	**	**
MO CAPE GIRARDEAU	CGI	26	-34	12	145	-28	-17	-16	-10
MO COLUMBIA	COU	38	-38	18	215	-26	-29	-11	-12
MO KANSAS CITY	MCI	37	-34	11	234	14	-100	6	-30
MO SAINT LOUIS	STL	28	-45	13	185	-39	32	-17	21
MO SPRINGFIELD	SGF	43	-22	30	215	4	6	2	3
MT BILLINGS	BIL	96	-29	47	696	86	-112	14	-14
MT GLASGOW	GGW	99	-50	1	786	17	-269	2	-25
MT GREAT FALLS	GTF	97	-38	1	825	66	-324	9	-28
MT HAVRE	HVR	122	-30	23	897	94	-217	12	-19
MT HELENA	HLN	131	-25	20	965	80	-147	9	-13
MT KALISPELL	FCA	186	12	38	1099	28	-162	3	-13
MT MILES CITY	MLS	94	-40	9	661	27	-152	4	-19
MT MISSOULA	MSO	151	-12	11	956	70	-171	8	-15
NE GRAND ISLAND	GRI	77	-23	20	394	-10	-146	-2	-27
NE LINCOLN	LNK	60	-36	11	328	-18	-147	-5	-31
NE NORFOLK	OFK	64	-46	7	447	-12	-135	-3	-23
NE NORTH PLATTE	LBF	79	-42	-1	480	-26	-184	-5	-28
NE OMAHA	ON4	55	-36	14	343	27	-142	9	-29
NE SCOTTSBLUFF	BFF	100	-21	13	569	48	-163	9	-22
NE VALENTINE	VTN	93	-35	24	626	93	-74	17	-11
NV ELY	ELY	159	10	17	967	189	40	24	4
NV LAS VEGAS	LAS	25	5	15	64	32	35	**	**
NV RENO	RNO	92	-26	3	628	37	34	6	6
NV WINNEMUCCA	WMC	108	-22	-14	748	134	-57	22	-7
NH CONCORD	CON	124	-9	0	788	144	207	22	36
NJ ATLANTIC CITY	ACY	84	2	52	316	74	122	31	63
NM ALBUQUERQUE	ABQ	68	-4	15	297	122	53	70	22
NM CLOVIS	CVS	51	-12	22	178	-7	-82	-4	-32
NM ROSWELL	ROW	40	-3	28	145	44	0	44	0
NY ALBANY	ALB	115	-2	-5	626	119	148	23	31
NY BINGHAMTON	BGM	120	-6	24	631	32	71	5	13
NY BUFFALO	BUF	107	-3	35	531	43	126	9	31
NY NEW YORK	LGA	54	-14	13	209	-1	76	0	57
NY ROCHESTER	ROC	123	16	34	640	164	170	34	36
NY SYRACUSE	SYR	122	10	28	593	106	155	22	35
NC ASHEVILLE	AVL	84	5	57	257	-5	38	-2	17
NC CAPE HATTERAS	HAT	32	9	32	37	-10	37	**	**
NC CHARLOTTE	CLT	39	-8	21	102	-22	25	-18	32
NC GREENSBORO	GSO	59	-4	33	168	0	16	0	11
NC NEW BERN	EWN	33	-1	33	58	-30	49	**	**
NC RALEIGH DURHAM	RDU	55	1	40	147	9	64	7	77
NC WILMINGTON	ILM	39	10	39	67	6	55	**	**
ND BISMARCK	BIS	130	-20	55	843	82	-108	11	-11
ND FARGO	FAR	108	-41	17	802	81	-108	11	-12
ND GRAND FORKS	GFK	110	-50	11	833	-18	-203	-2	-20
ND WILLISTON	ISN	122	-35	20	925	110	-153	13	-14
OH AKRON-CANTON	CAK	82	-23	21	406	-1	42	0	12
OH CLEVELAND	CLE	76	-23	20	367	-35	-7	-9	-2
OH COLUMBUS	CMH	61	-34	11	308	-32	28	-9	10
OH CINCINNATI	CVG	65	-21	30	281	1	41	0	17
OH DAYTON	DAY	61	-31	18	328	11	39	3	13
OH TOLEDO	TOL	71	-40	17	436	-2	17	0	4
OH YOUNGSTOWN	YNG	86	-24	24	493	13	64	3	15
OK OKLAHOMA CITY	OKC	35	-9	25	119	10	-52	9	-30
OK TULSA	TUL	29	-12	25	119	7	0	6	0
OR ASTORIA	AST	75	-19	-17	804	18	-56	2	-7
OR BURNS	4BW	111	-25	-45	969	289	-171	42	-15
OR MEDFORD	MFR	76	-16	-11	420	62	26	17	7
OR PENDLETON	PDT	84	-21	1	505	70	-86	16	-15
OR PORTLAND	PDX	57	-32	-23	363	-79	-35	-18	-9
OR SALEM	SLE	92	-5	6	531	12	1	2	0
PA ALLENTOWN	ABE	95	-3	35	410	49	96	14	31
PA ERIE	ERI	95	-15	39	410	-78	97	-16	31
PA HARRISBURG	CXY	92	6	44	362	71	145	24	67
PA PHILADELPHIA	PHL	70	-6	43	245	18	90	8	58
PA PITTSBURGH	PIT	83	-22	25	[illegible]	-9	48	-2	14
PA SCRANTON	AVP	117	7	44	546	86	135	19	33
RI PROVIDENCE	PVD	91	-5	-1	453	81	141	22	45
SC CHARLESTON	CHS	27	4	27	54	5	43	**	**
SC COLUMBIA	CAE	44	7	36	91	8	45	**	**
SC FLORENCE	FLO	39	8	33	82	11	55	**	**
SC GREENVILLE	GSP	52	6	35	131	14	38	12	41
SD ABERDEEN	ABR	102	-38	9	728	109	-80	18	-10
SD HURON	HON		-40	8	645	65	-100	11	-13
SD RAPID CITY	RAP	92	-32	12	712	121	-85	20	-11
SD SIOUX FALLS	FSD	81	-47	-6	635	89	-128	16	-17
TN CHATTANOOGA	CHA	48	-5	48	111	-29	22	-21	25
TN KNOXVILLE	TYS	64	8	64	145	-7	34	-5	31
TN MEMPHIS	MEM	15	-25	15	78	-22	20	**	**
TN NASHVILLE	BNA	42	-13	38	138	-14	28	-9	25
TX ABILENE	ABI	20	-7	18	93	32	21	**	**
TX AMARILLO	AMA	75	13	35	268	94	-33	54	-11
TX AUSTIN	AUS	0	-13	0	17	-3	4	**	**
TX BROWNSVILLE	BRO	0	0	0	12	12	11	**	**
TX CORPUS CHRISTI	CRP	0	-4	0	11	7	7	**	**
TX DEL RIO	DRT	1	-9	1	28	17	6	**	**
TX EL PASO	ELP	20	-12	-2	80	24	-32	**	**
TX FORT WORTH	DFW	6	-12	6	53	21	8	**	**
TX GALVESTON	GLS	0	-4	0	11	7	7	**	**
TX HOUSTON	IAH	1	-11	1	22	4	10	**	**
TX LUBBOCK	LBB	45	0	31	163	49	-4	43	-2
TX MIDLAND ODESSA	MAF	22	-8	13	119	54	26	**	**
TX BEAUMONT	BPT	0	-12	0	15	-3	8	**	**
TX SAN ANGELO	SJT	17	-6	17	83	40	29	**	**
TX SAN ANTONIO	SAT	0	-14	0	13	-11	-6	**	**
TX VICTORIA	VCT	0	-6	0	12	3	5	**	**
TX WACO	ACT	7	-9	7	44	21	14	**	**
TX WICHITA FALLS	SPS	21	-11	16	89	7	7	**	**
UT BLANDING	4BL	114	4	20	616	209	65	51	12
UT CEDAR CITY	CDC	138	30	36	651	245	106	60	19
UT SALT LAKE CITY	SLC	91	-10	31	544	175	116	47	27
VT BURLINGTON	BTV	132	-3	14	757	81	183	12	32
VA LYNCHBURG	LYH	78	7	46	262	46	14	21	6
VA NORFOLK	ORF	44	2	41	86	-22	55	-20	177
VA RICHMOND	RIC	54	-7	37	185	4	91	2	97
VA ROANOKE	ROA	61	-12	31	229	-1	73	0	47
WA COLVILLE	63S	128	-21	8	765	-15	-45	-2	-6
WA QUILLAYUTE	UIL	89	-24	-21	968	-15	8	-2	1
WA SEATTLE-TACOMA	SEA	73	-26	-30	561	-73	2	-12	0
WA SPOKANE	GEG	120	-19	-2	781	91	-85	13	-10
WA WALLA WALLA	ALW	76	-16	7	392	57	-21	17	-5
WA YAKIMA	YKM	103	-19	-6	630	60	-98	11	-13
WV BECKLEY	BKW	88	-17	36	400	-29	75	-7	23
WV CHARLESTON	CRW	67	-14	45	249	-21	103	-8	71
WV HUNTINGTON	HTS	60	-18	25	231	-43	43	-16	23
WV PARKERSBURG	PKB	73	-8	35	290	15	63	5	28
WI GREEN BAY	GRB	93	-39	-7	694	62	56	10	9
WI LACROSSE	LSE	57	-62	-7	491	0	-86	0	-15
WI MADISON	MSN	79	-51	-11	591	22	-24	4	-4
WI MILWAUKEE	MKE	68	-51	-13	478	-8	-15	-2	-3
WI WAUSAU	AUW	95	-45	-3	748	46	-21	7	-3
WY CASPER	CPR	120	-22	24	771	77	-129	11	-14
WY CHEYENNE	CYS	140	2	31	816	114	-92	16	-10
WY LANDER	LND	129	-17	24	786	69	-99	10	-11
WY SHERIDAN	SHR	105	-37	3	774	23	-163	3	-17

National Weather Data for Selected Cities

Weather Data for the Week Ending October 25, 1986

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE SEPT. 1	PCT. NORMAL SINCE SEPT. 1	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	71	47	75	42	59	-1	2.0	1.5	1.4	9.2	142	30.8	68	96	51	0	0	2	2
MOBILE	74	53	76	44	63	-3	2.1	1.6	2.0	9.2	105	47.2	86	95	52	0	0	3	1
MONTGOMERY	74	47	77	40	61	-2	1.2	.8	1.1	8.5	129	39.2	96	97	50	0	0	2	1
AK ANCHORAGE	43	30	51	26	37	5	.4	0	.2	7.0	177	16.3	128	92	58	0	5	2	0
BARROW	16	6	27	-2	11	1	T	-.1	T	2.0	181	4.0	95	93	82	0	7	3	0
FAIRBANKS	29	16	35	9	22	2	.3	.1	.3	2.5	144	9.1	102	97	76	0	7	1	0
JUNEAU	50	43	54	38	47	7	3.5	1.8	.9	14.1	110	48.3	115	100	87	0	0	7	3
KODIAK	50	39	53	33	44	5	1.8	-.5	.8	12.0	76	59.3	100	92	69	0	0	4	2
NOME	33	23	36	16	28	3	.1	-.2	.1	7.8	228	15.3	118	83	57	0	7	1	0
AZ PHOENIX	83	58	89	56	70	0	0	-.1	0	.9	77	6.2	111	47	16	0	0	0	0
PRESCOTT	66	33	72	30	50	-3	0	-.3	0	3.1	126	11.2	72	68	23	0	3	0	0
TUCSON	82	48	83	47	65	-3	0	-.2	0	.8	39	10.1	106	45	12	0	0	0	0
YUMA	87	59	92	56	73	-1	0	-.1	0	.4	74	1.5	71	49	18	2	0	0	0
AR FORT SMITH	70	53	78	46	62	2	.4	-.3	.2	6.1	104	34.1	104	97	59	0	0	4	0
LITTLE ROCK	69	55	76	52	62	1	3.2	2.6	2.1	7.3	122	34.8	94	83	60	0	0	4	2
CA BAKERSFIELD	79	49	83	44	64	-2	0	-.1	0	.1	17	4.3	100	67	27	0	0	0	0
EUREKA	62	50	79	44	56	2	.1	-.6	.1	3.3	117	30.7	120	95	77	0	0	2	0
FRESNO	80	50	84	47	65	2	0	-.1	0	.4	83	10.1	135	76	30	0	0	0	0
LOS ANGELES	75	56	84	53	66	0	0	-.1	0	1.5	592	14.5	165	93	50	0	0	0	0
REDDING	75	48	80	44	62	--	.2	.2	.1					93	39	0	0	2	0
SACRAMENTO	76	49	81	44	63	1	T	-.2	T	.7	81	17.0	145	95	41	0	0	0	0
SAN DIEGO	73	58	79	55	65	-1	0	-.1	0	2.4	608	10.1	151	89	53	0	0	0	0
SAN FRANCISCO	68	52	74	48	60	0	T	-.3	T	.5	52	19.1	141	98	63	0	0	1	0
CO DENVER	57	40	65	34	49	-1	.3	.1	.2	1.7	85	10.2	74	90	48	0	0	4	0
GRAND JUNCTION	63	39	70	34	51	-1	.1	-.2	0	2.3	165	6.8	103	88	39	0	0	2	0
PUEBLO	65	38	73	30	52	0	T	-.2	T	1.1	75	9.5	96	97	38	0	2	2	0
CT BRIDGEPORT	63	42	69	33	52	-2	.1	-.7	.1	2.6	44	24.0	72	85	42	0	0	1	0
HARTFORD	66	37	76	26	51	1	.1	-.7	.1	2.6	38	32.3	91	88	30	0	2	1	0
DC WASHINGTON	69	47	79	39	58	1	.1	-.6	.1	1.7	30	21.4	66	87	40	0	0	1	0
FL APALACHICOLA	75	56	78	50	65	-3	.8	.3	.8	18.6	162	51.9	107	89	55	0	0	1	1
DAYTONA BEACH	81	62	85	57	71	0	0	-.9	0	5.9	56	38.5	90	86	48	0	0	0	0
JACKSONVILLE	77	53	82	44	65	-3	T	-.6	T	2.9	28	35.7	75	93	52	0	0	0	0
KEY WEST	82	74	84	72	78	-2	.3	-.7	.3	6.6	63	28.2	84	84	60	0	0	2	0
MIAMI	84	69	86	66	76	-1	1.5	0	1.2	7.0	50	57.8	111	88	50	0	0	4	1
ORLANDO	83	63	86	60	73	-1	0	-.5	0	8.4	104	42.7	98	87	45	0	0	0	0
TALLAHASSEE	77	47	82	34	62	-4	1.2	.6	1.2	6.3	69	55.4	99	92	41	0	0	1	1
TAMPA	83	63	86	58	73	0	0	-.4	0	6.9	83	34.9	82	86	43	0	0	0	0
WEST PALM BEACH	82	69	84	63	75	-1	3.5	1.9	2.5	10.2	64	50.3	95	85	52	0	0	4	1
GA ATLANTA	70	51	75	46	61	1	1.5	1.0	1.4	8.6	166	31.1	77	93	46	0	0	2	1
AUGUSTA	75	44	79	36	59	-2	.4	0	.4	3.8	73	33.9	90	97	40	0	0	2	0
MACON	73	46	77	36	60	-3	.4	0	.2	7.7	156	28.0	73	98	42	0	0	2	0
SAVANNAH	76	48	81	38	62	-3	.1	-.3	.1	1.8	25	35.6	80	92	38	0	0	1	0
HI HILO	83	69	85	67	76	1	1.4	-1.1	1.1	21.6	153	124.3	127	89	62	0	0	2	1
HONOLULU	86	71	88	68	79	0	.8	.3	.5	3.2	160	8.5	52	89	54	0	0	3	1
KAHULUI	84	68	85	64	76	-2	.2	0	.1	.3	27	10.9	76	87	59	0	0	2	0
LIHUE	85	73	97	67	79	2	.5	-.6	.5	4.4	76	19.0	59	81	55	1	0	1	1
ID BOISE	69	41	73	35	55	5	0	-.2	0	2.9	252	12.9	145	85	37	0	0	0	0
LEWISTON	67	39	74	38	53	4	0	-.2	0	.9	64	8.5	85	84	42	0	0	0	0
POCATELLO	62	37	66	31	49	3	.1	-.1	.1	1.7	122	11.3	128	99	49	0	2	2	0
IL CHICAGO	67	48	77	35	57	6	.8	.3	.5	10.9	207	29.2	101	94	61	0	0	2	0
MOLINE	65	46	75	35	56	5	1.2	.6	.7	9.3	155	37.2	113	98	65	0	0	3	1
PEORIA	67	48	76	38	57	6	1.3	.8	.9	10.7	187	33.2	109	97	64	0	0	2	1
QUINCY	67	51	76	45	59	6	2.1	1.4	1.9	15.3	221	38.1	114	95	63	0	0	2	1
ROCKFORD	66	45	75	32	55	6	.9	.3	.8	12.1	197	32.3	101	97	61	0	1	2	1
SPRINGFIELD	68	51	76	41	59	6	1.8	1.3	1.3	12.0	234	32.2	110	95	62	0	0	3	1
IN EVANSVILLE	70	48	78	38	59	4	2.1	1.5	1.0	7.8	169	34.0	99	98	58	0	0	4	2
FORT WAYNE	64	45	74	32	54	4	.5	-.1	.3	7.8	172	39.1	135	98	63	0	1	2	0
INDIANAPOLIS	66	47	76	34	57	4	.9	.3	.7	13.1	276	41.9	129	95	54	0	0	2	1
SOUTH BEND	65	46	74	35	55	4	.3	-.4	.2	8.0	136	32.2	101	96	61	0	0	2	0
IA DES MOINES	64	50	76	43	57	5	1.8	1.3	.8	9.9	203	40.2	144	97	73	0	0	4	1
SIOUX CITY	64	49	78	45	57	7	.4	.1	.2	7.6	190	30.9	132	97	66	0	0	3	0
WATERLOO	64	46	76	35	55	7	.6	.2	.3	7.7	142	33.7	113	100	67	0	0	3	0
KS CONCORDIA	63	50	75	46	56	2	.9	.6	.4	9.8	216	38.0	151	96	70	0	0	5	0
DODGE CITY	63	47	72	39	55	0	.4	.1	.3	2.2	73	18.7	97	95	59	0	0	3	0
GOODLAND	61	43	72	33	52	2	.4	.2	.3	2.9	129	14.7	97	95	59	0	0	3	0
TOPEKA	67	50	77	44	58	4	1.1	.5	.8	9.9	170	35.6	119	99	65	0	0	2	1
WICHITA	66	50	74	48	58	1	.3	-.2	.1	7.4	134	29.4	114	97	63	0	0	4	0
KY BOWLING GREEN	69	46	74	37	57	2	1.2	.6	1.0	6.4	117	25.4	64	97	54	0	0	3	1
LEXINGTON	68	46	73	34	57	2	.8	.3	.5	5.0	98	24.8	65	88	49	0	0	3	0
LOUISVILLE	69	48	75	36	59	3	.7	.1	.4	5.5	101	29.9	83	95	51	0	0	3	0
LA ALEXANDRIA	73	56	77	50	64	-2	2.2	1.3	1.7	7.2	124	33.5	76	94	53	0	0	3	2
BATON ROUGE	75	56	78	49	65	-1	.8	.3	.6	6.3	96	40.7	88	92	52	0	0	2	1
LAKE CHARLES	76	57	80	51	66	-1	2.1	1.4	1.5	11.3	139	40.6	93	97	55	0	0	3	2
NEW ORLEANS	76	57	79	50	67	0	1.1	.6	.8	4.3	54	34.9	70	96	52	0	0	2	1

Based on 1951-80 normals.

Weather Data for the Week Ending October 25, 1986

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE SEPT. 1	PCT. NORMAL SINCE SEPT. 1	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
SHREVEPORT	72	53	78	47	63	-2	3.3	2.7	3.1	9.9	184	44.0	124	99	60	0	0	3	1
ME CARIBOU	51	31	58	22	41	0	T	-.7	T	4.4	73	28.2	95	91	53	0	3	1	0
PORTLAND	60	33	71	25	47	0	0	-.9	0	4.0	64	32.7	98	92	41	0	3	0	0
MD BALTIMORE	68	45	77	33	56	2	T	-.7	T	1.7	29	21.4	62	91	40	0	0	1	0
SALISBURY	68	41	77	33	55	0	T	-.8	T	2.2	32	22.3	59	94	40	0	0	1	0
MA BOSTON	64	44	74	36	54	1	T	-.8	T	3.1	52	30.7	89	82	34	0	0	1	0
CHATHAM	58	43	63	36	50	-2	T	-.8	T	5.3	80	38.5	105	84	64	0	0	1	0
MI ALPENA	63	32	72	26	47	2	T	-.4	T	9.5	208	28.5	118	98	49	0	5	0	0
DETROIT	65	44	74	33	54	5	.1	-.4	.1	10.3	260	33.1	129	97	53	0	0	1	0
FLINT	63	41	72	30	52	4	.1	-.4	.1	12.7	312	34.9	142	96	54	0	1	1	0
GRAND RAPIDS	63	43	71	31	53	5	.2	-.4	.1	14.6	269	45.7	161	96	57	0	1	3	0
HOUGHTON LAKE	60	38	66	27	49	4	.2	-.3	.2	11.1	240	32.3	138	96	51	0	2	1	0
LANSING	64	42	71	30	53	4	T	-.5	T	10.7	252	34.8	142	95	56	0	1	1	0
MARQUETTE	59	33	72	28	46	4	0	-.7	0	6.7	102	28.2	90	96	56	0	3	0	0
MUSKEGON	61	43	68	32	52	3	T	-.6	T	15.6	302	32.8	129	98	66	0	2	1	0
SAULT STE. MARIE	60	34	68	29	47	4	T	-.6	T	8.0	128	32.5	119	98	48	0	3	1	0
MN ALEXANDRIA	62	44	72	40	53	9	T	-.4	T	4.5	117	32.3	145	96	65	0	0	0	0
DULUTH	59	39	70	33	49	7	T	-.5	T	6.9	135	33.9	129	94	59	0	0	0	0
INT'L FALLS	61	34	72	24	48	7	0	-.4	0	3.0	64	16.6	76	92	42	0	3	0	0
MINNEAPOLIS	64	45	73	36	55	8	T	-.4	T	8.4	206	35.3	148	97	65	0	0	1	0
ROCHESTER	63	46	74	35	54	8	.1	-.4	.1	13.7	285	38.4	149	97	66	0	0	1	0
MS GREENWOOD	72	52	78	45	62	1	2.3	1.7	2.2	7.6	138	27.7	65	97	53	0	0	2	1
JACKSON	73	51	78	43	62	0	1.3	.8	1.0	7.7	138	35.8	84	99	54	0	0	2	1
MERIDIAN	71	48	75	41	60	-2	2.1	1.5	2.0	7.6	134	35.2	81	99	52	0	0	2	1
MO CAPE GIRARDEAU	70	52	78	49	61	--	1.3	.9	.4	5.7	102	35.8	98	99	63	0	0	4	0
COLUMBIA	67	52	77	49	59	5	1.1	.4	1.0	13.6	211	35.2	111	96	68	0	0	3	1
KANSAS CITY	67	52	78	49	59	4	1.0	.3	.5	13.6	200	36.9	116	99	68	0	0	4	1
SAINT LOUIS	68	54	77	49	61	6	1.3	.8	.6	13.2	289	32.1	112	92	63	0	0	4	1
SPRINGFIELD	66	52	75	47	59	3	.5	-.2	.4	15.7	227	36.0	107	98	67	0	0	2	0
MT BILLINGS	65	37	71	32	51	4	0	-.3	0	1.6	70	12.9	97	79	34	0	1	0	0
GLASGOW	64	37	70	35	51	7	0	-.1	0	4.5	324	12.5	116	92	45	0	0	0	0
GREAT FALLS	67	35	73	30	51	5	0	-.2	0	2.3	132	13.1	96	74	29	0	2	0	0
HAVRE	65	29	70	27	47	4	0	-.1	0	5.9	415	16.5	162	84	34	0	6	0	0
HELENA	65	27	69	26	46	3	0	-.1	0	2.5	182	11.1	110	95	32	0	7	0	0
KALISPELL	45	31	57	23	38	-2	T	-.2	T	3.0	161	14.8	116	99	70	0	2	0	0
MILES CITY	65	38	69	32	51	6	0	-.2	0	3.5	193	15.0	117	93	47	0	1	0	0
MISSOULA	60	26	63	25	43	1	0	-.2	0	3.9	226	14.9	134	96	43	0	7	0	0
NE GRAND ISLAND	61	46	75	43	54	3	1.5	1.3	1.0	7.0	200	24.4	112	98	67	0	0	4	1
LINCOLN	63	49	75	42	56	5	1.1	.8	.6	10.9	250	37.3	149	98	69	0	0	3	1
NORFOLK	63	48	77	45	56	7	.9	.7	.4	6.2	189	29.9	134	97	67	0	0	4	0
NORTH PLATTE	62	45	70	37	53	6	.3	.1	.3	2.6	106	16.5	90	97	57	0	0	3	0
OMAHA	63	51	74	48	57	6	1.3	.8	.6	11.7	226	35.8	129	96	77	0	0	4	1
SCOTTSBLUFF	59	42	64	31	50	3	.4	.2	.2	2.9	168	20.2	151	97	59	0	1	4	0
VALENTINE	60	43	74	36	51	5	.1	0	.1	3.4	157	18.8	115	89	64	0	0	2	0
NV ELY	57	27	66	25	42	-2	.4	.3	.4	2.6	221	8.3	109	94	48	0	7	1	0
LAS VEGAS	75	49	83	43	62	-3	T	0	T	.1	24	1.4	41	58	25	0	0	1	0
RENO	70	33	78	30	52	4	0	-.1	0	.3	62	8.8	157	81	21	0	3	0	0
WINNEMUCCA	68	30	74	23	49	3	T	-.1	T	1.5	180	5.2	85	79	28	0	5	0	0
NH CONCORD	64	30	73	21	47	1	T	-.7	T	3.5	63	31.0	108	92	33	0	4	2	0
NJ ATLANTIC CITY	67	38	76	33	53	-1	T	-.7	T	5.2	99	29.8	88	95	42	0	0	0	0
NM ALBUQUERQUE	66	43	71	34	55	0	.1	-.2	.1	2.1	129	11.3	159	72	25	0	0	1	0
CLOVIS	66	49	73	42	57	1	.8	.4	.7	5.5	159	17.4	109	71	44	0	0	3	1
ROSWELL	68	50	78	43	59	0	1.0	.8	.9	9.5	371	21.3	239	94	53	0	0	2	1
NY ALBANY	63	34	71	26	48	0	.1	-.6	.1	4.1	73	34.8	120	97	43	0	3	1	0
BINGHAMTON	59	36	65	28	48	1	.3	-.4	.2	5.2	91	35.7	118	91	48	0	2	2	0
BUFFALO	59	40	65	31	49	0	.1	-.6	.1	7.8	137	32.1	107	97	59	0	1	1	0
NEW YORK	66	49	75	43	57	2	0	-.8	0	3.1	50	27.2	78	78	39	0	0	0	0
ROCHESTER	60	35	71	29	47	-2	T	-.6	T	7.6	164	29.7	116	98	51	0	3	0	0
SYRACUSE	60	35	69	29	47	-2	T	-.7	T	8.1	139	35.1	110	96	49	0	3	1	0
NC ASHEVILLE	67	38	71	32	53	-1	2.1	1.4	2.0	7.4	111	25.1	62	99	41	0	2	2	1
CHARLOTTE	71	48	76	40	59	1	1.5	.9	1.5	4.2	71	20.1	55	92	38	0	0	1	1
GREENSBORO	70	43	77	34	56	0	1.4	.7	1.4	4.1	64	22.4	62	97	42	0	0	1	1
HATTERAS	69	52	75	42	61	-3	.5	-.6	.5	2.1	22	37.9	83	93	49	0	0	1	1
NEW BERN	73	47	79	39	60	-2	.3	-.4	.3	2.8	32	37.7	83	97	38	0	0	1	0
RALEIGH	70	43	78	32	57	-1	.4	-.2	.4	1.9	34	30.7	87	94	40	0	1	1	0
WILMINGTON	73	46	80	38	60	-3	.3	-.2	.3	3.4	42	48.1	104	93	39	0	0	1	0
ND BISMARCK	61	32	73	26	46	3	0	-.1	0	4.7	229	22.1	156	99	55	0	4	0	0
FARGO	60	39	73	36	49	6	0	-.3	0	3.7	125	21.8	121	95	63	0	0	0	0
GRAND FORKS	62	36	73	31	49	7	0	-.2	0	2.6	88	13.9	83	94	50	0	2	0	0
WILLISTON	63	32	73	26	47	5	T	-.1	T	3.8	191	20.5	161	97	42	0	4	0	0
OH AKRON-CANTON	64	43	72	31	53	3	.4	-.1	.4	6.5	136	25.0	83	97	54	0	2	2	0
CINCINNATI	66	45	74	31	55	3	.6	.1	.5	6.6	134	27.2	81	95	55	0	1	2	0
CLEVELAND	65	43	74	29	54	3	.1	-.4	.1	8.8	180	34.4	117	95	56	0	2	1	0
COLUMBUS	67	45	75	33	56	5	.4	-.1	.4	7.5	175	29.1	93	96	53	0	0	1	0

Based on 1951-80 normals.

Weather Data for the Week Ending October 25, 1986

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE SEPT. 1	PCT. NORMAL SINCE SEPT. 1	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	65	47	75	32	56	4	.7	.2	.7	9.4	236	37.0	127	91	58	0	1	2	1
TOLEDO	65	44	75	30	55	6	.2	-.2	.2	9.4	231	33.5	127	97	53	0	2	1	0
YOUNGSTOWN	64	41	72	26	53	3	.1	-.5	.1	8.4	161	39.3	126	99	50	0	2	1	0
OK OKLAHOMA CITY	67	53	74	50	60	0	2.4	1.8	1.4	17.9	313	39.7	143	96	62	0	0	2	2
TULSA	68	53	75	49	61	0	1.2	.5	1.1	13.9	193	38.8	115	96	62	0	0	3	1
OR ASTORIA	61	48	67	38	54	3	1.9	.3	1.9	5.6	72	41.3	89	98	77	0	0	2	1
BURNS	68	28	69	25	48	2	0	-.2	0	1.8	139	9.4	159	—	—	0	6	0	0
MEDFORD	70	38	77	35	54	2	T	-.4	T	2.6	131	12.8	98	98	46	0	0	0	0
PENDLETON	66	40	77	37	53	3	0	-.2	0	1.4	112	8.9	101	85	43	0	0	0	0
PORTLAND	67	46	72	39	57	4	.8	0	.8	5.1	131	23.3	93	99	58	0	0	2	1
SALEM	60	43	65	37	52	0	.8	-.1	.8	3.9	96	26.4	99	100	75	0	0	1	1
PA ALLENTOWN	65	38	70	31	51	0	T	-.7	T	4.4	68	31.9	88	88	37	0	1	0	0
ERIE	60	42	71	32	51	2	.2	-.6	.2	12.2	185	39.4	124	94	60	0	1	2	0
HARRISBURG	63	40	71	31	52	-1	T	-.6	T	3.7	63	32.9	102	94	42	0	2	0	0
PHILADELPHIA	66	43	74	38	55	1	T	-.6	T	3.6	64	27.3	80	89	42	0	0	0	0
PITTSBURGH	64	42	72	28	53	3	.3	-.3	.3	5.0	104	29.8	96	81	46	0	2	1	0
SCRANTON	61	35	68	29	48	-1	T	-.6	T	5.2	93	37.8	130	91	41	0	3	0	0
RI PROVIDENCE	64	39	74	32	52	0	T	-.8	T	3.0	46	31.7	88	90	39	0	1	1	0
SC CHARLESTON	74	50	78	44	62	-2	T	-.6	T	7.0	95	38.5	84	90	38	0	0	1	0
COLUMBIA	74	43	79	33	59	-2	.6	.1	.6	6.4	100	25.3	59	98	38	0	0	1	1
FLORENCE	74	45	80	35	59	-2	.2	-.3	.2	4.3	71	23.7	62	95	37	0	0	1	0
GREENVILLE	71	44	76	36	57	-1	3.1	2.3	3.1	8.3	114	29.4	69	93	41	0	0	1	1
SD ABERDEEN	60	40	74	36	50	5	0	-.2	0	3.0	127	25.0	151	99	63	0	0	0	0
HURON	61	43	76	37	52	6	T	-.3	T	4.4	176	26.9	156	98	68	0	0	0	0
RAPID CITY	61	43	69	39	52	4	.1	0	.1	4.8	277	20.1	132	96	63	0	0	2	0
SIOUX FALLS	62	45	74	41	53	7	.5	.2	.3	10.4	252	29.5	133	97	69	0	0	2	0
TN CHATTANOOGA	68	47	71	40	58	0	4.1	3.5	2.2	12.5	189	30.0	70	100	56	0	0	2	2
KNOXVILLE	69	42	72	36	56	-1	1.6	1.0	1.3	7.4	144	24.6	64	100	50	0	0	2	1
MEMPHIS	72	54	80	49	63	2	3.0	2.5	2.6	4.9	90	26.2	62	97	60	0	0	3	1
NASHVILLE	70	48	74	42	59	1	1.2	.6	1.1	4.4	75	20.8	52	95	50	0	0	2	1
TX ABILENE	70	55	75	48	62	-1	.3	-.2	.2	9.2	183	26.6	129	94	56	0	0	2	0
AMARILLO	64	45	71	39	54	-3	.2	-.1	.2	3.4	117	22.7	128	97	55	0	0	1	0
AUSTIN	75	60	77	55	67	0	2.6	1.9	1.2	12.5	195	27.2	102	95	58	0	0	3	3
BEAUMONT	75	59	78	52	67	-1	2.4	1.7	1.6	8.8	96	43.7	101	94	57	0	0	3	1
BROWNSVILLE	83	68	88	62	76	2	.6	-.1	.4	5.6	68	17.0	76	94	60	0	0	4	0
CORPUS CHRISTI	81	66	85	61	74	1	2.7	2.1	1.5	6.9	77	23.8	89	93	61	0	0	4	1
DEL RIO	—	64	-999	61	—	—	.6	.2	.6	8.7	187	22.0	142	91	69	0	0	3	1
EL PASO	78	48	82	42	63	2	0	-.1	0	1.3	62	9.5	136	78	26	0	0	0	0
FORT WORTH	72	56	77	52	64	-2	.4	-.1	.3	6.4	119	26.8	105	94	55	0	0	2	0
GALVESTON	76	65	78	60	71	0	1.7	1.3	.9	11.1	139	26.5	80	90	59	0	0	3	2
HOUSTON	75	59	78	53	67	-1	1.0	.2	.7	9.8	123	31.8	86	92	58	0	0	3	1
LUBBOCK	67	50	74	44	58	0	.6	.2	.5	9.8	270	23.5	142	100	66	0	0	2	1
MIDLAND	69	55	76	49	62	0	1.2	.9	.8	14.3	432	27.1	217	98	64	0	0	5	1
SAN ANGELO	71	55	78	48	63	-2	.2	-.2	.1	13.3	277	28.5	175	95	61	0	0	2	0
SAN ANTONIO	76	59	79	52	68	-1	1.3	.7	.7	9.4	153	33.8	136	95	59	0	0	4	1
VICTORIA	80	61	81	55	70	0	2.2	1.6	1.3	9.9	109	31.7	99	96	58	0	0	3	2
WACO	74	55	78	51	64	-2	1.6	1.0	1.3	9.0	158	28.7	109	98	61	0	0	3	1
WICHITA FALLS	71	53	75	49	62	-1	2.6	2.1	1.8	10.9	194	30.4	128	98	58	0	0	2	2
UT BLANDING	62	35	67	31	48	-1	T	-.4	T	3.6	170	13.2	142	84	40	0	1	0	0
CEDAR CITY	59	31	65	29	45	-5	.1	-.1	.1	1.9	127	9.9	116	92	39	0	5	1	0
SALT LAKE CITY	63	41	67	38	52	1	T	-.3	T	3.1	173	18.1	145	90	44	0	0	2	0
VT BURLINGTON	58	34	67	26	46	0	.2	-.4	.2	6.9	127	35.4	127	92	47	0	3	2	0
VA NORFOLK	68	49	79	40	59	0	.1	-.6	.1	1.7	24	21.3	55	86	41	0	0	1	0
RICHMOND	70	44	79	35	57	1	.4	-.5	.4	2.2	34	28.1	77	97	39	0	0	1	0
ROANOKE	70	42	76	31	56	1	1.5	.7	1.5	5.4	90	24.2	73	96	40	0	2	1	1
WA COLVILLE	60	33	60	30	46	3	T	-.3	T	3.2	180	18.0	142	94	77	0	3	1	0
QUILLAYUTE	62	42	66	35	52	3	1.2	-1.4	1.0	5.1	38	70.3	98	100	71	0	0	2	1
SEATTLE-TACOMA	63	45	69	38	54	3	1.0	.1	1.0	2.9	63	23.5	91	97	60	0	0	1	1
SPOKANE	61	34	62	28	48	2	T	-.3	T	1.6	108	11.7	98	97	48	0	2	0	0
YAKIMA	67	34	68	30	50	3	T	-.1	T	2.1	304	7.4	132	97	43	0	4	0	0
WV BECKLEY	63	41	70	30	52	2	.4	-.1	.4	6.8	125	31.1	87	93	45	0	1	1	0
CHARLESTON	67	44	74	33	55	2	.2	-.4	.2	5.5	108	34.7	97	98	47	0	0	1	0
HUNTINGTON	68	44	76	32	56	2	.3	-.2	.3	5.6	113	29.2	85	99	48	0	1	2	0
PARKERSBURG	65	43	74	31	54	1	.2	-.3	.2	6.9	153	30.1	85	96	49	0	2	1	0
WI GREEN BAY	61	42	71	32	51	5	T	-.4	T	9.2	188	29.3	120	97	68	0	1	1	0
LA CROSSE	67	46	79	35	57	8	.1	-.3	.1	11.1	213	30.4	111	95	52	0	0	1	0
MADISON	64	43	75	29	54	7	.2	-.3	.1	8.3	169	29.7	110	98	65	0	1	3	0
MILWAUKEE	64	46	75	34	55	6	.3	-.2	.3	9.0	190	39.4	149	94	62	0	0	2	0
WAUSAU	60	42	71	33	51	6	T	-.4	T	12.7	220	29.8	106	95	60	0	0	1	0
WY CASPER	56	39	63	36	48	3	.8	.6	.7	3.9	260	14.3	142	97	54	0	0	3	1
CHEYENNE	53	37	58	30	45	0	.4	.2	.3	3.9	240	13.3	108	94	61	0	1	5	0
LANDER	55	38	63	32	46	2	.9	.7	.4	3.1	168	10.7	91	88	51	0	1	5	0
SHERIDAN	62	38	68	34	50	5	T	-.3	T	3.6	169	14.0	106	90	49	0	0	0	0
PR SAN JUAN	88	74	92	73	81	0	4.6	3.5	1.9	8.8	85	43.4	103	97	64	4	0	4	3

Based on 1951-80 normals.

National Agricultural Summary

October 20 to 26, 1986

HIGHLIGHTS: Drier weather boosted row crop harvest and winter wheat seeding across the Corn Belt and northern Great Plains. Rain and wetness interrupted harvest and seeding in the central and southern Great Plains. Dryness continued hampering winter wheat seeding, germination, and growth in some Southeastern States. Soil moisture remained short from Delaware to Georgia and in some Delta States. Soil moisture was adequate to surplus throughout the Great Plains and in the Corn Belt. Farmers were able to work 4 to 6 days in most areas, but rain limited fieldwork to less than 4 days in Nebraska, Kansas, and Oklahoma.

Winter wheat seeding advanced rapidly to 81 percent (%) completion, 1 percentage point below the 5-year average but 9 points greater than the prevous week. Wheat was mostly good in the Corn Belt, and central and northern Plains and fair to good in the Southeast. Corn was 48% harvested compared with 42% in 1985 and 53% normally. Harvest was behind normal throughout most of the Corn Belt. Soybean harvest was 58% finished, 1 point above normal and 12 points above last year. Slightly more than a fifth of the soybean acreage was combined. Cotton bolls opened 5 points slower than normal mostly due to the slow crop development in Texas and Oklahoma. Harvest was 42% complete, 6 points above average. Sorghum was 62% harvested. Drier weather pushed harvest to near normal pace. Rice harvest was finished in all States except California, which was nearing completion. Pastures were mostly good except in the Southeast where condition was fair to good. Livestock was mostly good.

SMALL GRAINS: In the 20 major producing States, winter wheat was 81% seeded compared with 77% last year and the 82% average. Seeding surged 9 points from the previous week and nearly equaled the normal seeding pace. Seeding increased 13 to 30 points throughout the Corn Belt. Emergence was 69% finished, 1 point ahead of normal. Emergence was behind normal in the Corn Belt due mostly to late planting. Seeding was finished in Nebraska and South Dakota and nearing completion in Colorado, Kansas, New Mexico, and Washington. Reseeding was necessary in Kansas. In Nebraska, wheat was mostly good, but leaf rust was present in eastern fields.

CORN: Drier weather boosted corn harvest in the Corn Belt, but rain hampered harvest in the Central Plains and Texas. Harvest jumped 11 points from the previous week to 48% completion. This was 6 points ahead of 1985 but 5 points below the average. Harvest increases from the previous week were mostly in the 13 to 16 points range in the Corn Belt and northern Plains. Harvest still lagged behind normal in all Corn Belt States except Ohio, Indiana, and Illinois. Cooler weather retarded corn sprouting in Kansas. In Minnesota, wetness delayed harvest in the southern half of the State with the potential for some crops to be left unharvested. In Ohio, lines developed at grain elevators.

SOYBEANS: Soybean harvest jumped 21 points from the previous week to 58% completion, 1 point ahead of normal. Harvest still lagged behind normal in the Corn Belt despite sizable gains in most States. Michigan's harvest increased 5 fold from the previous week but was still 25 points below average. Kansas harvest was 45% finished, 20 points greater than the previous week but 15 points off the normal pace.

COTTON: Rain and cooler weather continued hampering growth and development in Oklahoma and Texas. Boll opening was finished or nearly finished in the other major producing States but had only reached the halfway mark in Oklahoma and was 1 point shy of the halfway mark in Texas. This was the third week producers were unable to harvest cotton in Oklahoma. Texas harvest slowly progressed 1 point from last week. In the 14 major producing States, harvest was 42% finished, compared with 39% last year and 36% normally.

SORGHUM: Grain sorghum was 94% mature equaling the average. Sorghum was mostly mature except in Oklahoma and Texas. Harvest reached 62% completion, 2 points below the average. Wetness hampered harvest in Oklahoma and in Texas. Harvest was 10 points behind normal in Oklahoma and 11 points behind normal in Texas.

OTHER CROPS: Rice was 98% harvested, 6 points greater than the average. Harvest was finished in all States except California. California harvest was 15 points above normal at 90% completion.

Tobacco curing and grading continued in the burley and other air-cured tobacco areas. Burley stripping was 14% finished in Kentucky. Housed tobacco was good to fair. Tennessee producers were stripping burley tobacco at the normal 30% average pace.

Peanut digging was nearly finished in Mississippi and North Carolina. Alabama peanuts were 78% dug and 62% threshed. Seventy-nine percent of Georgia's peanuts were dug and 46% combined. Normally, peanut digging and threshing would be nearing completion in both States.

FRUIT AND NUTS: Florida citrus producers continued irrigating. Light rain was helpful, but more is needed. New growth was limited. Fresh fruit shipments increased in all areas. Light rain slowed orange and grapefruit harvests in Texas. Rain slowed pecan harvest and caused sprouting. Nut droppage was becoming a problem. California table grape harvest neared completion. Kiwifruit harvest was in full swing. Producers fumigated, stripped, sprayed, and pruned decidious orchards. Navel orange harvest slowed. Desert lemon, grapefruit, and tangerine harvest continued.

VEGETABLES: Fall vegetable harvest increased seasonally in Florida. Tomatoes, cucumbers, sweet corn, squash, peppers, and radishes were the volume leaders. Wet fields slowed planting in Texas. The excess moisture was causing fungus and disease problems. Lettuce, cauliflower, and broccoli look good in Arizona. Vegetable and melon harvests were active. Artichokes, asparagus, carrots, cantaloup, cauliflower, celery, and lettuce were harvested in California.

PASTURE AND LIVESTOCK: Pastures were mostly good in the Northern States and fair in the Southeast. Livestock was mostly good. Producers weaned calves.

CROP PROGRESS

FOR WEEK ENDING OCTOBER 26, 1986

CORN
% HARVESTED

	1986	1985	AVG.
COLO	25	37	43
GA	98	98	97
ILL	69	62	66
IND	60	50	55
IOWA	35	31	53
KANS	80	70	75
KY	82	70	67
MICH	15	25	30
MINN	26	23	37
MO	61	58	69
NEBR	40	25	45
N C	90	90	91
OHIO	46	46	42
PA	42	32	34
S DAK	23	18	54
TEX	95	95	97
WIS	24	19	24
17 STATES	48	42	53

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

COTTON
% BOLLS OPENING

	1986	1985	AVG.
ALA	100	100	98
ARIZ	100	100	100
ARK	100	100	98
CALIF	100	100	100
GA	95	95	93
LA	100	100	100
MISS	100	100	100
MO	99	99	100
N MEX	100	95	98
N C	100	100	100
OKLA	50	95	90
S C	100	100	100
TENN	100	100	100
TEX	49	75	78
14 STATES	74	88	89

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

COTTON
% HARVESTED

	1986	1985	AVG.
ALA	76	73	66
ARIZ	40	30	35
ARK	84	78	59
CALIF	25	20	15
GA	46	58	44
LA	92	80	62
MISS	97	75	64
MO	87	73	62
N MEX	22	20	36
N C	43	47	53
OKLA	1	15	10
S C	50	80	72
TENN	80	55	60
TEX	20	24	25
14 STATES	42	39	36

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

RICE
% HARVESTED

	1986	1985	AVG.
ARK	100	95	92
CALIF	90	65	75
LA	100	98	99
MISS	100	100	93
TEX	100	100	100
5 STATES	98	92	92

THESE 5 STATES PRODUCED 97% OF THE 1985 RICE CROP.

SOYBEANS
% DROPPING LEAVES

	1986	1985	AVG.
ALA	87	86	90
ARK	76	78	81
GA	95	94	88
ILL	100	100	100
IND	100	100	100
IOWA	100	100	100
KANS	96	95	97
KY	94	94	94
LA	85	85	87
MICH	100	100	100
MINN	100	100	100
MISS	99	94	97
MO	99	97	96
NEBR	100	100	100
N C	70	64	64
OHIO	100	100	100
S C	71	80	80
S DAK	100	100	100
TENN	90	96	95
19 STATES	95	95	95

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

WINTER WHEAT
% PLANTED

	1986	1985	AVG.
ARK	41	39	32
CALIF	15	15	15
COLO	98	99	97
GA	25	16	16
IDAHO	96	96	94
ILL	65	78	74
IND	70	80	80
KANS	90	80	90
MICH	40	85	85
MO	38	44	57
MONT	85	83	95
NEBR	100	100	100
N MEX	97	NA	NA
N C	27	23	34
OHIO	60	86	83
OKLA	75	80	80
OREG	87	71	84
S DAK	100	100	100
TEX	82	63	72
WASH	96	96	95
20 STATES	81	NA	NA
EXCL. STATES WITH NA	81	77	82

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

NA - NOT AVAILABLE.

WINTER WHEAT
% EMERGED

	1986	1985	AVG.
ARK	24	25	NA
CALIF	3	2	4
COLO	89	93	89
GA	14	9	NA
IDAHO	63	71	70
ILL	30	59	55
IND	40	70	65
KANS	80	65	75
MICH	15	60	NA
MO	27	31	40
MONT	52	60	74
NEBR	99	91	100
N MEX	95	NA	NA
N C	12	NA	NA
OHIO	24	64	62
OKLA	60	60	55
OREG	66	43	57
S DAK	89	92	96
TEX	69	49	52
WASH	80	68	79
20 STATES	66	NA	NA
EXCL. STATES WITH NA	69	64	68

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

NA - NOT AVAILABLE.

SOYBEANS
% HARVESTED

	1986	1985	AVG.
ALA	38	32	38
ARK	41	32	25
GA	18	25	19
ILL	79	74	81
IND	75	80	80
IOWA	70	42	72
KANS	45	30	60
KY	32	28	29
LA	43	41	45
MICH	25	35	50
MINN	84	42	58
MISS	45	35	33
MO	34	26	46
NEBR	65	40	65
N C	14	8	15
OHIO	70	74	72
S C	12	9	11
S DAK	70	51	76
TENN	30	30	25
19 STATES	58	46	57

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

GRAIN SORGHUM
% MATURE

	1986	1985	AVG.
ARK	100	NA	NA
ILL	100	NA	NA
KANS	95	95	90
LA	100	100	100
MISS	100	NA	NA
MO	98	96	94
NEBR	100	100	100
OKLA	90	95	95
S DAK	97	91	96
TENN	99	99	NA
TEX	88	97	96
11 STATES	95	NA	NA
EXCL. STATES WITH NA	94	96	94

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

NA - NOT AVAILABLE.

GRAIN SORGHUM
% HARVESTED

	1986	1985	AVG.
ARK	100	95	93
ILL	70	56	60
KANS	50	35	45
LA	100	100	99
MISS	100	98	94
MO	60	54	63
NEBR	45	40	45
OKLA	30	35	40
S DAK	47	46	64
TENN	90	90	NA
TEX	69	75	80
11 STATES	63	58	NA
EXCL. STATES WITH NA	62	57	64

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

NA - NOT AVAILABLE.

CROP CONDITION PERCENT
FOR WEEK ENDING OCTOBER 26, 1986

WINTER WHEAT

STATE	VP	P	F	G	EX
ARK	0	9	21	58	12
COLO	1	5	23	54	17
GA	0	7	62	31	0
ILL	0	0	29	66	5
KANS	1	2	9	34	54
MICH	10	40	40	10	0
MONT	0	0	20	70	10
NEBR	0	1	12	69	18
N MEX	0	0	34	66	0
OHIO	4	6	32	51	7
OKLA	0	5	40	50	5
S DAK	0	2	10	66	22
TEX	0	0	18	54	28
WASH	0	10	20	70	0

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

State Summaries of Weather and Agriculture

ALABAMA: Temperatures averaged close to normal. Rainfall totals averaged 2.00 to 4.00 in. over north; 1.00 to 2.00 in. over central, south.

Days suitable for fieldwork 6.0. Soil moisture 46% short, 52% adequate, 2% surplus. Harvest progress good; corn harvest winding down. Peanuts dug 78%, 99% 1985; combined 62%, 98% 1985, 96% avg.; 5% very poor, 12% poor, 71% fair, 12% good. Primary activities: Harvesting corn, sorghum, cotton, soybeans, peanuts, fall commercial vegetables; planting small grains, winter grazing crops; routine care of livestock, poultry.

ARIZONA: Upper level low moved across northern section 20th, few light sprinkles, snow flurries. Sunny weather through 21st, elsewhere. Weak weather disturbance spread mid, high cloudiness 22nd, no precipitation. Sunny skies 23rd to 25th. Average temperatures varied from 7° below normal to 1° above.

Cotton picking active. Good yields reported west, residue disposal common. Defoliation activity light to moderate. Alfalfa planting, stand renovation continued. New stands good. Harvest light to moderate. Sheeping off began. Southeast corn harvest approaching completion, sorghum 80% harvested. Both crops other areas maturing normally. Sesame harvest advanced. Peanuts dug. Ground preparation for small grains started. Lemon, grapefruit packing progressed. Fruit quality good. Navel oranges packed central, nearing maturity west. Tangerines sizing well. Valencia oranges good. Pecan harvest advanced. Granny Smith apples harvested. Lettuce, cauliflower, broccoli, mixed vegetables planted, acreages good. Routine cultivating, thinning, fertilizing performed. Vegetable, melon harvests active.

ARKANSAS: Week started cool, dry but ended warmer, wet as cold front pushed through toward end. West central portion fairly dry while south central, southeast receiving heavy rains, elsewhere, rainfall moderate. Temperature extremes 41°; 81°. Rainfall 0.34 to 4.24 in.

Days suitable for fieldwork 4.0. Soil moisture 9% short, 59% adequate, 32% surplus. Crop growth moderate. Major activities: Haying; fence repair; herd health practices, marketing spring calves; planting wheat, oats, fall pastures; soybean, cotton harvest continued while rice, sorghum harvest virtually complete; fall land preparation; surveying flood damage along Arkansas River. Fall spinach, squash harvest active.

CALIFORNIA: Week began with few showers northern end of State. High pressure built during week but replaced again towards end of week by lower pressure. During week showers limited to northern half of State. Generally, temperatures averaged near normal except southern interior, below normal.

Open weather, good harvest progress. Rice harvest moved rapidly. Burning stubble progressing somewhat slowly. Cotton harvest ahead last year. Dry bean, corn, grain sorghum, sugarbeet, alfalfa harvests moved rapidly. Winter grain seeding preparations active, oat seeding increased. Warm, dry weather aided remaining harvest. Table grape harvest neared completion, Emperior, Calmeria, Ribier varieties. Kiwifruit harvest full swing, large sizes, average yields. Walnut harvest neared completion, fair quality. Soil fumigation, strip spraying, pruning main deciduous orchard activities. Navel orange harvest slow after early start. Color, prices very good, sizes small. Valencia orange harvest neared completion. Desert lemon, grapefruit, tangerine harvests continued.

Artichokes moderate supply. Light asparagus harvest desert. Desert cantaloup yields reduced. Carrots fairly heavy supply Salinas, Kern districts. Central coast cauliflower harvest fairly heavy, celery harvest active. Digging, grading horseradish active Tulelake. Lettuce supply decreased central coast; increased San Joaquin Valley. Fall potato harvest well along northern areas. Winter potato harvest slowed Riverside County. Pumpkin harvest active. Market tomato volume slowed. Foothill, Valley pastures continued green up, rain needed. Light supplemental feeding necessary some areas. Movement livestock winter pastures nearing completion few districts, heavy most areas. Calving, lambing continued.

COLORADO: Temperatures averaged 3° below normal to 3° above normal. Precipitation totals averaged trace to 3.19 in.

Days suitable for fieldwork 3.1. Soil moisture 3% very short, 19% short, 62% adequate, 16% surplus. Dry beans threshed 81%, 97% 1985, 95% avg. Sorghum mature 91%, 93% 1985, 95% avg.; harvested for grain 28%, 41% 1985, 48% avg. Livestock good; range, pasture fair to good.

FLORIDA: Cool, clear rather breezy, dry first half of week except locally heavy rains mid, lower east coastal area. Warmer heavy rains western Panhandle, 24th, spread slowly eastward into northern, central areas weekend. Continued rather warm, dry south.

Soil moisture short central, northern areas, adequate elsewhere. Peanut harvest active, some rain delays Panhandle. Soybeans fair to good, harvest active. Cotton fair, harvest continued. Hay harvest winding down. Small grain planting increasing. Sugarcane harvest for sugar underway. Pastures fair eastern Panhandle, northern, central Peninsula; good western Panhandle; good to excellent southern Peninsula. Weekend rain helpful northern, central areas. Cattle mostly good southern Peninsula, western Panhandle; mostly fair elsewhere. Calf marketings active. Light rain, weekend, helpful; more rain needed all citrus areas. Most caretakers irrigating. Very little new growth. Fresh fruit shipments increasing all areas. Caretakers clean cultivating. Cool, dry weather prevailed vegetable producing areas. Daytime highs mostly mid 80s; nighttime lows 60s. Harvest fall vegetables increasing seasonally. Vegetables leading in volume: tomatoes, cucumbers, sweet corn, squash, peppers, radishes. Lighter supplies snap beans, carrots, eggplant, escarole available. First specialty type lettuce cut.

GEORGIA: Temperatures 1 to 3° above normal. Main exception 1 to 3° below normal southwest. Warmest ranged from 70s north to near 80s south. Coolest 30s except extreme southeast. Rainfall on 2 days over weekend, amounts over 1.00 in. most stations north, 2.00 to 4.00 in. amounts common, local areas over 5.00 in. Rainfall central and south lighter, most stations less than 0.50 in. Heavier amounts near 1.00 in. extreme west central counties.

Days suitable for fieldwork 6.0. Soil moisture 13% very short, 57% short, 30% adequate. Cotton 9% very poor, 21% poor, 60% fair, 8% good, 2% excellent. Sorghum grain 25% poor, 65% fair, 10% good; 74% harvested. Peanuts 6% very poor, 23% poor, 53% fair, 18% good; 79% dug, 99% 1985, 97% avg.; 64% threshed, 98% 1985, 93% avg. Soybeans 7% very poor, 35% poor, 56% fair, 2% good. Rye 15% poor, 51% fair, 34% good; 41% planted, 51% 1985, 43% avg. Other small grains 34% planted, 42% 1985, 33% avg. Apples 8% very poor, 29% poor, 38% fair, 25% good; 96% harvested, 96% 1985, 95% avg. Pecans 2% very poor, 7% poor, 53% fair, 38% good; 8% harvested, 15% 1985, 9% avg. Pasture 3% very poor, 13% poor, 62% fair, 22% good. Hay 2% very poor, 20% poor, 61% fair, 17% good. Cattle 5% poor, 54% fair, 41% good. Hogs 4% poor, 31% fair, 64% good, 1% excellent. Main activities: Harvesting late season row crops; planting small grains; renovating pastures; haying; routine care of livestock, poultry.

HAWAII: Conditions mostly sunny. Northeasterly winds 15 to 25 mph diminishing midweek. Light rainfall 27th, weekend. Temperatures ranged mid 60s to upper 80s. Rainfall ranged none to 5.00 in.

Days suitable for fieldwork 7.0. Conditions favorable for crop development. Cooler nighttime temperatures slowed progress some crops. Soil moisture adequate. Banana production active. Papaya harvesting up, orchards fair to good. Leafy vegetables fair to good.

IDAHO: Temperatures statewide within 3° normal, precipitation nearly all below normal.

Days suitable for fieldwork 6.0. Harvest, fall land preparation winding down. Potato harvest 99% complete. Dry bean, onion harvest virtually complete. Winter wheat seeding active. Livestock good.

ILLINOIS: Temperatures averaged 2 to 7° above normal. Precipitation 0.60 to 2.28 in. most stations 1.00 to 2.00 in.

Days suitable for fieldwork 5.8. Soil moisture 63% adequate, 37% surplus. Pasture 13% fair, 69% good, 18% excellent. Major farm activities: Harvesting corn, soybeans, sorghum.

INDIANA: Temperatures averaging 6 to 8° warmer than usual. Lows upper 40s to lower 50s. Highs mid, upper 60s to low 70s. Precipitation ranged from 0.50 to 0.75 in. north, east central to 0.75 to 1.25 in. west central, south.

Fieldwork averaged 5.9 days. Topsoil moisture 90% adequate, 10% surplus. Subsoil moisture 4% short, 90% adequate, 6% surplus. Corn 19% moisture content, soybeans 14% moisture content. Winter wheat cropland 85% plowed, 88% 1985, 92% avg. Rye 90% seeded, 85% 1985, 90% avg. Harvest activities gain momentum due to improved field conditions. Pastures fair to mostly good. Wheat fair to mostly good.

IOWA: Warm, wet week. Precipitation varied 0.30 in. northwest to 2.30 in. southeast. Temperature extremes 30°; 79°.

Days suitable for fieldwork 4.9. Topsoil moisture 41% adequate, 59% surplus; subsoil moisture 50% adequate, 50% surplus. Corn harvest made good progress; corn lodging 4% none, 65% light, 31% moderate; ear droppage 4% none, 70% light, 26% moderate. Soybeans harvested made excellent progress northern two-thirds, limited progress southern one-third; soybeans lodging 5% none, 60% light, 34% moderate, 1% heavy; shattering 15% none, 67% light, 17% moderate, 1% heavy. Winter wheat seeded 70%, 74% 1985, 89% avg. Fall

tillage 7%, 8% 1985, 17% avg.; fall fertilizer application 5%, 7% 1985, 16% avg.

KANSAS: Precipitation averaged 0.40 to 0.80 in. west, central, northeast; 0.90 in. southeast. Temperatures averaged 54 to 56° west, north central; 57 to 59° elsewhere; 1° below normal southwest, 5° above normal northwest.

Days suitable for fieldwork 3.0. Soil moisture 3% short, 52% adequate, 45% surplus. Wheat seeding, fall row crop harvest resumed, progress good most areas. Eastern fields still too wet to support harvest equipment. Cooler weather helps retard sprouting corn, sorghum, soybeans. Sorghum harvest good progress except southeast. Sorghum 4% very poor, 7% poor, 8% fair, 25% good, 56% excellent. Corn harvest good progress, ahead schedule. Sprouting retarded by cool weather, but lodging noted many fields eastern counties. Corn 6% fair, 36% good, 58% excellent. Soybean harvest good progress west and central, fair progress east. Soybean 1% very poor, 4% poor, 11% fair, 42% good, 42% excellent. Week of dry weather needed eastern counties. Wheat seeding nearing completion but some reseeding necessary. Early growth excellent, heavy movement of cattle onto fields central, west. Wheat 1% very poor, 2% poor, 9% fair, 34% good, 54% excellent.

KENTUCKY: Widespread soaking rain late averaged 0.50 to near 1.00 in. Heaviest rain west, averaged 1.00 to 1.50 in. with isolated spots more than 2.00 in. Normal precipitation for week 0.50 in. Mild temperatures prevailed throughout week. Average daily highs mid 60s to lower 70s, nighttime lows mid 40s to mid 50s.

Days suitable for fieldwork 5.0. Soil moisture 5% very short, 40% short, 54% adequate, 1% surplus. Soybean harvest continued to advance with additional 32% of crop mature, awaiting harvest. Burley stripping 18% complete, 20% 1985, 14% avg. Quality variable but mostly good. Condition housed crop 20% fair, 77% good, 3% excellent. Wheat seeding 62% complete, 52% 1985, 48% avg. Sown wheat 3% poor, 27% fair, 64% good, 6% excellent. Grain sorghum 75% harvested, 70% 1985. Pastures fair to good.

LOUISIANA: Temperature 1° below to 1° above normal. Temperature extremes 44°; 86°. Rainfall averaged 0.90 to 4.20 in.

Days suitable for fieldwork 4.1. Soil moisture 8% short, 36% adequate, 56% surplus. Soybeans 98% leaves turning color, 97% 1985, 97% avg. Sugarcane fair to good; 100% planted, 95% 1985, 98% avg. Sugarcane 16% harvested, 12% 1985, 15% avg. Sweetpotatoes 92% harvested, 79% 1985, 86% avg. Pecans 33% harvested, 6% 1985, 8% avg. Wheat 23% planted, 10% 1985, 20% avg.; 16% emerged, 7% 1985, 12% avg. Hay final cutting 98% complete, 95% 1985, 97% avg. Vegetables fair; pasture, livestock fair to good. Main activities: Baling hay; harvesting cotton, pecans, soybeans, sugarcane, 2nd crop rice, sweetpotatoes; planting wheat, winter pastures.

MARYLAND & DELAWARE: Maryland: Temperatures averaged slightly above normal over State; lowest temperature 21° Oakland; highest temperature 80° Salisbury, Snow Hill. Precipitation averaged 0.01 in., ranging from none most stations to 0.12 in. Cumberland.

Days suitable for fieldwork 6.3. Topsoil moisture mostly short. Subsoil moisture very short to short. Field corn mostly fair; 79% harvested, 79% 1985, 78% avg. Soybeans fair; 39% harvested, 27% 1985, 35% avg. Tobacco 12% stripped. Small grains fair to good; wheat 52% planted; barley 81% planted, 91% 1985, 91% avg.; rye 80% planted, 83% 1985, 83% avg.; oats 79% planted, 75% 1985, 79% avg. Apples 90% harvested, 96% 1985, 96% avg. Pasture fair. Hay supplies short.

Delaware: Temperatures averaged slightly below normal over State; lowest temperature 31° Georgetown; highest temperature 78° Dover, Milford. Precipitation averaged 0.01 in., ranging from none several stations to 0.03 in. Milford.

Days suitable for fieldwork 6.4. Topsoil moisture short. Subsoil moisture very short to short. Field corn fair; 88% harvested, 94% 1985, 91% avg. Soybeans fair to good; 40% harvested, 22% 1985, 36% avg. Small grains fair to good; wheat 42% planted, 29% 1985, 42% avg.; barley 72% planted, 71% 1985, 87% avg.; rye 31% planted, 64% 1985, 54% avg. Apple harvest complete. Pasture poor to fair. Hay supplies mostly short.

MICHIGAN: Temperatures ranged 4 to 6° above normal. Temperature extremes 27°; 74°. Precipitation ranged from 0.20 to 0.75 in. across State.

Days suitable for fieldwork 5.5. Soil moisture 20% adequate, 80% surplus. Corn 15% harvested, 25% 1985, 30% avg. Soybeans 100% shedding, 100% 1985, 100% avg.; 25% harvested, 35% 1985, 50% avg. Winter wheat 40% planted, 85% 1985, 85% avg.; 15% emerged, 60% 1985; 10% very poor, 40% poor, 40% fair, 10% good. Dry beans 50% harvested, 96% 1985, 95% avg. Field activities: Corn harvesting, soybean combining, haying, silo filling, sugarbeet and potato digging, wheat planting, dry bean clipping. Apple harvest done. Vegetables winding down.

MINNESOTA: Temperatures averaged 6 to 9° above normal for State. Temperature extremes 24°; 78°. Precipitation averaged near normal southwest, 0.27 to 0.43 in. below normal elsewhere. Greatest weekly total 0.29 in.

Days suitable for fieldwork 5.6. Topsoil moisture 2% short, 65% adequate, 33% surplus. Farmers realized week of weather, one to dry down crops, allow harvesting. Harvesting, plowing, other pre-winter field activities kept farmers busy. Fall fertilizer, chemicals being applied. Wet spots southern half still remain, causing harvest delays, some crops may be left unharvested. Hail damage in middle, southern sections of State significantly lowered yields for crops affected. Field corn 26% harvested, 23% 1985, 37% avg.; 25% moisture content of grain, 28% 1985, 26% avg. Field corn 95% cut for silage, 89% 1985, 94% avg. Soybeans 84% harvested, 42% 1985, 58% avg.; 13% moisture content, 14% 1985, 14% avg. Dry edible beans 93% harvested, 86% 1985, 85% avg. Potatoes 99% harvested, 95% 1985, 94% avg. Flax 91% harvested, 75% 1985, 88% avg. Sugarbeets 99% harvested, 96% 1985, 77% avg. Sunflowers 52% harvested, 27% 1985, 45% avg. Small grain, hay 73% stubble plowed, 70% 1985, 80% avg.

MISSISSIPPI: Temperatures none to 6° below normal, extremes 38°; 81°. Slow moving storm system, remnants of Hurricane Roslyn, brought varied amounts of precipitation later part of week.

Days suitable for fieldwork 3.9, 1.5 1985, 3.3 avg. Soil moisture 5% very short, 30% short, 55% adequate, 10% surplus. Hay 97% harvested, 96% 1985, 98% avg. Sweetpotatoes 97% harvested, 77% 1985, 77% avg. Peanuts 99% harvested, 95% 1985, 89% avg. Pecans 15% harvested, 8% 1985. Wheat 28% planted, 25% 1985, 30% avg.

MISSOURI: Rain began midweek, continued through weekend, averaged 1.00 to 2.00 in., up to 4.00 in. northwest temperatures 4° above normal.

Days suitable for fieldwork 3.7. Soil moisture 5% short, 32% adequate, 63% surplus. Fall harvest progressing until interrupted by rain. Fall tillage complete 13%, 23% 1985, 31% avg. Pasture 1% poor, 22% fair, 64% good, 13% excellent.

MONTANA: Mild, dry. Temperatures west of Divide normal, fog, low clouds. Remainder temperatures 3 to 7° above normal.

Days suitable for fieldwork 6.6. Topsoil moisture 5% short, 91% adequate, 4% surplus. Subsoil moisture 4% short, 88% adequate, 8% surplus. Corn silage harvested 94%, 100% 1985, 100% avg. Sugarbeets harvested 89%, 75% 1985, 75% avg. Potatoes harvested 87%, 70% 1985, 88% avg. Dry beans harvested 91%, 85% 1985, 94% avg. Alfalfa hay 2nd cutting 98%, 100% 1985, 100% avg. Cattle moved from summer ranges 80%, 85% 1985, 80% avg. Sheep moved from summer ranges 85%, 90% 1985, 85% avg.

NEBRASKA: Rainfall 0.25 in. west; 1.00 to 1.50 in. east, southeast. Temperatures ranged 3 to 5° above normal. Temperature extremes 31°; 78°.

Days suitable for fieldwork 3.6. Topsoil moisture 28% adequate, 72% surplus. Subsoil moisture 63% adequate, 37% surplus. Winter wheat mostly good. Some leaf rust eastern fields. Harvest of row crops most advanced south central. Harvesting sugarbeets, dry beans. Pasture, range feed supplies mostly adequate. Cattle producers weaning calves, moving cattle to stalks. Feedlots muddy. Hog producers taking hogs to market.

NEVADA: Week almost carbon copy of preceding period. High pressure ridge kept temperatures relatively mild, with normal to slightly above all areas. Two short wave troughs brought precipitation most sections early, late in week. Totals light west, trace central, heaviest northeast. Temperature extremes 18°; 96°.

Sunny weather favored fall seeding operations all areas except northeast. Livestock on winter grazing areas.

NEW ENGLAND: Temperatures averaged 2° above normal. Frost or freeze hit all but coastal areas. Dry week. Precipitation from trace to 0.25 in.

Days suitable for fieldwork 5.0. Soil moisture adequate. Field corn 90% chopped, 98% 1985, 97% avg. Third crop hay 100% cut, 100% 1985, 100% avg. Maine potatoes 100% harvested, 100% 1985, 100% avg. Maine oats 90% harvested, 100% 1985, 100% avg. Cranberries 85% harvested. Apple harvest nears completion. Major farm activities: Chopping corn, cutting hay, harvesting apples, cranberries, potatoes, oats.

NEW JERSEY: Temperatures averaged above normal. Extremes 25°; 76°. Rainfall averaged 0.75 in. north, 0.76 in. central, 0.84 in. south. Heaviest 24-hour total 0.91 in. on 26th, 27th. Estimated soil moisture percent field capacity averaged 83% north, 80% central, 87% south. Four inch soil temperatures averaged 49° north, 52° central, 53° south.

Topsoil moisture adequate to excessive. Hardy fall vegetables continued to be marketed. Irish potato harvest completed. Sweetpotato harvest in clean up stage. Apple, cranberry harvest neared completion. Soybean, corn for grain combining active until weekend rain. Harvest resumed as conditions permit. Conditions continued good for grain, cover crops, pasture growth.

NEW MEXICO: Weekly average temperatures 3 to 4° below normal northeast, near normal elsewhere. Temperatures 20° northern mountains, northwestern plateau to 80° southern desert. Precipitation none southern desert, northwestern plateau to above 2.50 in. northeastern plains, northern mountains.

Days suitable for fieldwork 5.3. Soil moisture 100% adequate. Freeze damage 17% none, 66% light, 17% moderate. Alfalfa 22% poor, 45% fair, 33% good. Cotton 33% poor, 45% fair, 22% good. Corn 43% fair, 57% good. Barley 29% fair, 71% good. Irrigated grain sorghum 38% fair, 62% good. Dryland grain sorghum 25% fair, 75% good. Pecans 33% fair, 67% good. Chile 25% fair, 75% good. Lettuce 100% good. Cattle 10% fair, 90% good. Sheep 100% good. Range 20% fair, 80% good.

NEW YORK: Rainfall generally below normal, heaviest south central region. Temperatures averaged near to above normal. Weather systems most of week slow moving.

Days suitable for fieldwork 6.0. Soil moisture mostly surplus. Pastures fair to good. Alfalfa third cutting 80% complete, 92% 1985. Corn silage 63% harvested, 81% 1985. Grain corn 13% harvested, 19% 1985. Potato harvest proceeding slowly. Apple harvest eastern counties nearing completion. Rome harvest in western region fully underway.

NORTH CAROLINA: Temperatures averaged near normal statewide. Temperature extremes 28°; 81°. Precipitation ranged from none to 2.15 in.

Days suitable for fieldwork 6.2. Soil moisture 36% very short, 54% short, 9% adequate, 1% surplus. Corn grain harvest average. Cotton mostly fair to good, harvest behind average. Soybeans mostly fair, leaves dropping, harvest average. Small grain planting behind average, dry conditions. Sorghum harvested 57%, 69% 1985, 71% avg. Peanuts 45% fair, 55% good; dug 96%, 91% 1985, 84% avg.; threshed 83%, 75% 1985, 73% avg. Sweetpotatoes 3% poor, 64% fair, 33% good; harvested 74%, 77% 1985, 78% avg. Apples harvested 91%, 86% 1985, 89% avg. Pasture 5% very poor, 36% poor, 50% fair, 9% good. Major farm activities: Harvesting corn, soybeans, cotton, sorghum, apples, hay; seeding cover crops, pasture; digging sweetpotatoes; digging, threshing peanuts; finishing tobacco harvest; marketing tobacco; land preparation; spraying, shearing Christmas trees; disking stalks; spreading lime; mowing; tending livestock; general farm maintenance.

NORTH DAKOTA: Indian summer continued. Temperatures averaged 4 to almost 8° above normal. Extremes 17° southwest, 24th; 77° central, 19th. No rainfall.

Days suitable for fieldwork 7.0. Above normal topsoil moisture continued, 100% adequate. Excellent harvest weather led to substantial progress in harvest of sunflower, flax, dry beans, soybeans, corn. Corn, flax remain behind normal harvest pace. Wheat harvest 99% complete. Harvest of sugarbeets, potatoes completed, ahead of normal. Percent harvest completed: Sunflower 50%, 23% 1985, 46% avg.; flax 91%, 85% 1985, 94% avg.; dry beans 97%, 87% 1985, 93% avg.; soybeans 91%, 77% 1985, 76% avg.; corn 45%, 29% 1985, 53% avg. Harvest, fall field work main activities.

OHIO: Average maximum temperatures upper 50s to mid 60s; near normal. Average minimums low to mid 50s; 10 to 15° above normal. Soil temperature upper 50s. Precipitation 0.25 to 0.96 in.; slightly above normal.

Days suitable for fieldwork 6.6. Soil moisture 8% short, 84% adequate, 8% surplus. Harvest advanced quickly during best fall harvest week of year. Lines developed at grain elevators. Grain quality good; moisture content of corn 21%, soybean 14%. Winter wheat plantings moved fast; stands fair to mostly good. Grasslands improved; condition good.

OKLAHOMA: Temperatures averaged 2° below normal southeast to 1° above normal northeast, west central. Precipitation averaged 0.65 in. southeast to 3.11 in. west central.

Days suitable for fieldwork 3.5. Topsoil moisture 2% short, 28% adequate, 70% surplus. Subsoil moisture 100% adequate. Wheat 5% poor, 40% fair, 50% good, 5% excellent; 75% planted, 80% 1985, 80% avg.; 60% emerged, 60% 1985, 55% avg. Wheat pasture prospects dim because wet weather delays. Some bottom land acres still flooded. Sorghum 90% emerged, 95% 1985, 95% avg.; 30% harvested, 35% 1985, 40% avg. Cotton 65% fair, 35% good; 50% open bolls, 95% 1985, 90% avg.; 1% harvested, 15% 1985, 10% avg. Development slowed by cool, wet weather. Frost received, may hurt production. Pastures mostly good; growth limited by cool nighttime temperatures. Cattle good; marketings up, prices firm to slightly higher than preceding week.

OREGON: Temperatures near normal along coast. Western interior temperatures slightly above normal. Most areas rainfall latter part of week, except some eastern sections. Precipitation above normal coast, northern Willamette Valley. Rainfall below normal southern Willamette Valley.

Soil moisture 14% short, 68% adequate, 18% surplus. Good weather allowed timely planting of field crops west. Grain crops look good heading into winter east. Seeding progressed rapidly high country. Some growers spraying for yellow dwarf virus. Field corn harvest continued Hermiston-Boardman. Sugarbeet harvest neared completion Malheur County. Some hay remains in fields eastern high country. Mint planting started central area. Filbert, walnut harvests continued. Caneberry pruning, training continued. Cauliflower harvest winding down west. Carrot harvest continued, good quality. Potato harvest winding down Hermiston-Boardman, crop now going into farm storage. Potato harvest finished Klamath County, good yields, quality good going into storage. Seed potatoes 75% harvested Wallowa County. Livestock, range, pasture good. Many calves going to market.

PENNSYLVANIA: High pressure dominated State most of week, allowed dry autumn weather to continue. Area of showers associated with midwest storm system moved into State 26th. Average temperature 51°, 2° above normal. Temperature extremes 22°; 75°. Average precipitation 0.32 in., 0.34 in. below normal.

Days suitable for fieldwork 6.0. Soil moisture 20% short, 77% adequate, 3% surplus. Corn 98% mature, 93% 1985, 94% avg.; harvested 42%, 32% 1985, 34% avg. Corn 1% very poor, 6% poor, 22% fair, 49% good, 22% excellent. Ensilage corn harvested 94%, 95% 1985, 95% avg. Soybean harvest 31% complete, 25% 1985, 30% avg. Soybeans 1% very poor, 6% poor, 18% fair, 49% good, 26% excellent. Potato harvest 98% complete, 98% 1985, 98% avg. Apple harvest 90% complete, 93% 1985. Grape harvest 94% complete, 96% 1985. Fall plowing 93% complete, 95% 1985. Fall barley planting 98% complete, 96% 1985. Fall wheat planting 92% complete, 89% 1985. Fourth cutting alfalfa 88% complete, 82% 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, other vegetables; fall plowing; fall planting wheat, barley, rye, alfalfa.

PUERTO RICO: NO DATA AVAILABLE.

SOUTH CAROLINA: Temperatures near seasonal normals most of week. Rainfall varied from 0.50 to over 5.00 in.

Days available for fieldwork 5.6. Soil moisture 10% very short, 66% short, 24% adequate. Cotton open bolls 100%; 50% harvested, 80% 1985, 72% avg.; 6% very poor, 76% poor, 18% fair. Soybean leaves turning 91%, 97% 1985, 96% avg.; 71% leaves shedding, 80% 1985, 80% avg.; 53% mature, 47% 1985, 45% avg.; 12% harvested, 9% 1985, 11% avg.; 7% very poor, 61% poor, 28% fair, 4% good. Tobacco harvested 100%; 85% stalks destroyed, 90% 1985, 92% avg. Peanuts fair; 57% harvested, 83% 1985, 89% avg. Sweetpotatoes fair; 61% harvested, 77% 1985, 74% avg. Apples fair; 86% harvested, 100% 1985, 100% avg. Barley, oats, rye, sorghum fair. Winter grazing, wheat, livestock fair to good.

SOUTH DAKOTA: Average temperatures ranged 3 to 9° above normal. Extremes 26°; 79°. Black Hills low 22°. Precipitation above normal southwest, southeast; below normal elsewhere, 2.20 in. high.

Days suitable for fieldwork 4.2. Topsoil moisture surplus portions east and south, adequate elsewhere; 76% adequate, 24% surplus. Crops good to excellent. Grain moisture content for corn averaging 20 to 25%, slowed harvest. Range, pastures, livestock good to excellent. Cattle moved to stalks for feed. Feed, stockwater adequate to surplus.

TENNESSEE: Temperatures slightly above normal. General rain entire State.

Days suitable for fieldwork 5.5. Soil moisture 8% very short, 54% short, 37% adequate, 1% surplus. Corn 80% harvested, 80% 1985, 65% avg. Burley tobacco 30% stripped, 35% 1985, 30% avg. Wheat 40% seeded, 35% 1985, 40% avg. Cattle fair to good. Pastures fair to good. Harvest progress good to 23rd. Cotton harvest 18 days ahead of schedule.

TEXAS: Upper level disturbance plus moisture Hurricane Roslyn triggered scattered thunderstorms west, southwest early week. Thunderstorms across

most State midweek, remains Roslyn moved south. Some heavy rains south central areas. Rains mainly eastern half 23rd. Mild days, cool nights middle of week. Cold front moved through brought dry, cooler weather most areas. Rainfall near normal Cross-Timbers, Lower Valley, above normal elsewhere. Temperatures below normal except south central, readings slightly above normal.

Crops: Corn harvest delayed by additional rain. Increased lodging harvest problems. Open weather Plains needed to finish operations. Grain sorghum harvest just underway Plains early last week, rain stalled operations. Some damage from excessive rains, freezing temperatures 2 weeks ago. Dry weather needed finish operations Hill Country. Some sprouting caused yield reductions. Turning color 100%, 100% 1985, 100% avg. Recent rains Plains, Cross-Timbers hit cotton worst. Yield potential continued decline, many fields stood in water second straight week. Bolls slow open because cooler temperatures. Harvest slowed Trans-Pecos, Hill Country. Many bolls stringing-out. Quality decreased. Small grain seeding slowed last week by rain, damp conditions across State. Emerging oats, wheat good stands Plains. Some rust, greenbugs beginning appear. Some planting occurred Blacklands weather permitted; progress slow. Rain increased growth early planted fields, also slowed armyworm activity. Rain help fields central, south. Peanut harvest delayed most areas. Yields fair to good Cross-Timbers before rain; yields may go down with prolonged wetness. Harvest full swing Plains before rain. Harvest slowed south, yields lower. Harvested 44%, 35% 1985, 42% avg. High Plains soybean harvest just getting underway, rain slowed progress. Damage maybe greater later fields. Early yields moderate. Upper Coast wet weather hampered harvest activities. Yields poor. Harvested 51%, 25% 1985, 32% avg. Sugarbeet harvest progress High Plains last week. Sugarcane harvest Rio Grande Valley good progress last week. Early quality good. Other crops harvested: Sunflowers 41%, 59% 1985, 61% avg. Sugarbeets 17%, 19% 1985, 32% avg. Pecans 29%, 6% 1985, 8% avg. Other crops planted: Oats 73%, 59% 1985, 65% avg.

Commercial Vegetables: Rio Grande Valley, harvest continued cucumbers, other greens, peppers, tomatoes expected begin next week. Orange, grapefruit harvest light rain slowed activities. Grapefruit sizes good. San Antonio-Winter Garden, fall crops doing good except some fields showed fungus problems from rain. Wet fields delayed further planting. East most sweetpotatoes harvested; harvest remaining fields delayed by wet conditions. Other fall greens slow harvest progress. High Plains, harvest activities slowed by rain. Yields good; disease problems increased. Trans-Pecos, onion planting slow. Bell pepper harvest delayed. Pecan harvest slowed by rain most areas. Some sprouting because excessive rains. Nut drop problem. Yields varied across State.

Range and Livestock: Ranges, native pastures continued benefit from additional rain. Greening increased statewide. Abundance forage available. Small grain pastures begin providing grazing soon. Movement livestock onto pastures slowed because wetness. Livestock good condition.

UTAH: Precipitation light to moderate northeast, little to none elsewhere. Temperature maximums normal to 5° above. Minimums normal to 7° above.

Days suitable for fieldwork 5.8. Topsoil moisture 97% adequate, 3% surplus. Corn for grain harvest continued. Silage, hay harvests almost completed. Onion, potato harvests well along. Dry beans windrowed, threshing slow. Livestock generally good. Movement from summer range almost completed. Winter range, feed supply good.

VIRGINIA: Cold evenings widespread frost. Temperatures averaged normal, range 24 to 82°. Rain 25th through 27th. Totals from 1.25 to 2.00 in.

Days suitable for fieldwork 6.0. Topsoil moisture 93% short, 7% adequate. Rain end period improved soil moisture. Grain corn harvest 78% complete, 74% 1985, 76% avg. Soybean harvest 22% complete, 12% 1985, 22% avg. Peanuts 98% dug, 98% 1985, 93% avg. Peanuts 88% combined, 95% 1985, 86% avg. Tobacco curing, grading, marketing active. Wheat 30% seeded, 30% 1985, 46% avg. Barley 68% seeded, 77% 1985, 80% avg. Oats 83% seeded, 85% 1985, 88% avg. Pastures mostly fair, some poor. Some late hay cutting. Reseeding hay, pasture land. Cattle sales.

WASHINGTON: Mostly clear, cool statewide. Weekly precipitation minimal. Average temperatures -2° below normal to 5° above.

Days suitable for fieldwork 7.0. Soil moisture 35% short, 65% adequate. Winter wheat 96% planted, 96% 1985, 95% avg. Winter wheat 80% emerged, 68% 1985, 79% avg. Potato harvest 88% completed. Apple, grape harvest nearly finished, size and quality excellent. Range, pasture 55% adequate, 45% short.

WEST VIRGINIA: Temperature 4° above normal. Temperature extremes 19° Green Bank; 80° Creston. Average temperature 54°. Precipitation 0.10 in. above normal southern division; 0.25 in. below normal elsewhere. Average precipitation 0.38 in.

Days suitable for fieldwork 5.0. Soil moisture 22% very short, 33% short, 45% adequate. Fall seeding: Wheat 92% complete.

WISCONSIN: Warm, dry week. Temperatures averaged 53°, 8° above normal, low 30°, high 80°. Rainfall none to 0.60 in.

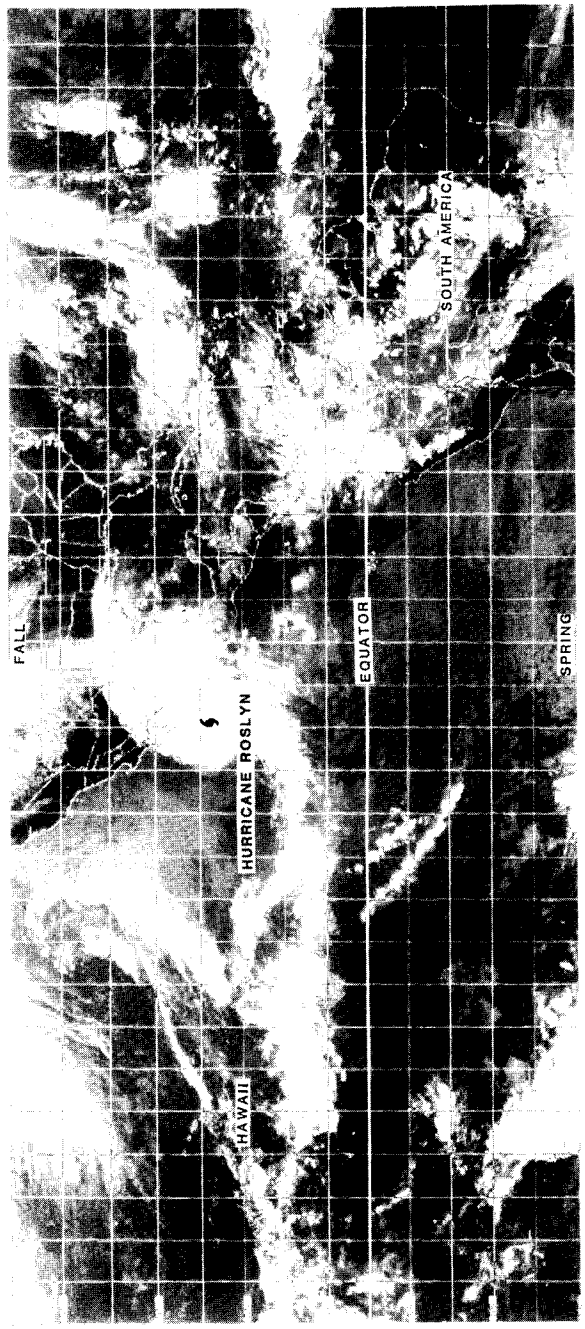
Days suitable for fieldwork 4.7. Soil moisture 31% adequate, 69% surplus. Drier weather spurred harvest activities. Corn harvest 24% complete, 19% 1985, 24% avg. Mold, sprouting present, not as widespread as earlier thought. Corn yields very good. Corn silo filling 76%, 75% 1985, 83% avg. Large increase (28%) from previous week. Soybean harvest 32% complete, 19% 1985, 34% avg. Beans drying well, mold damage southeast. Hay chopping, baling many areas. Fall plowing 16%, 22% 1985, 24% avg.

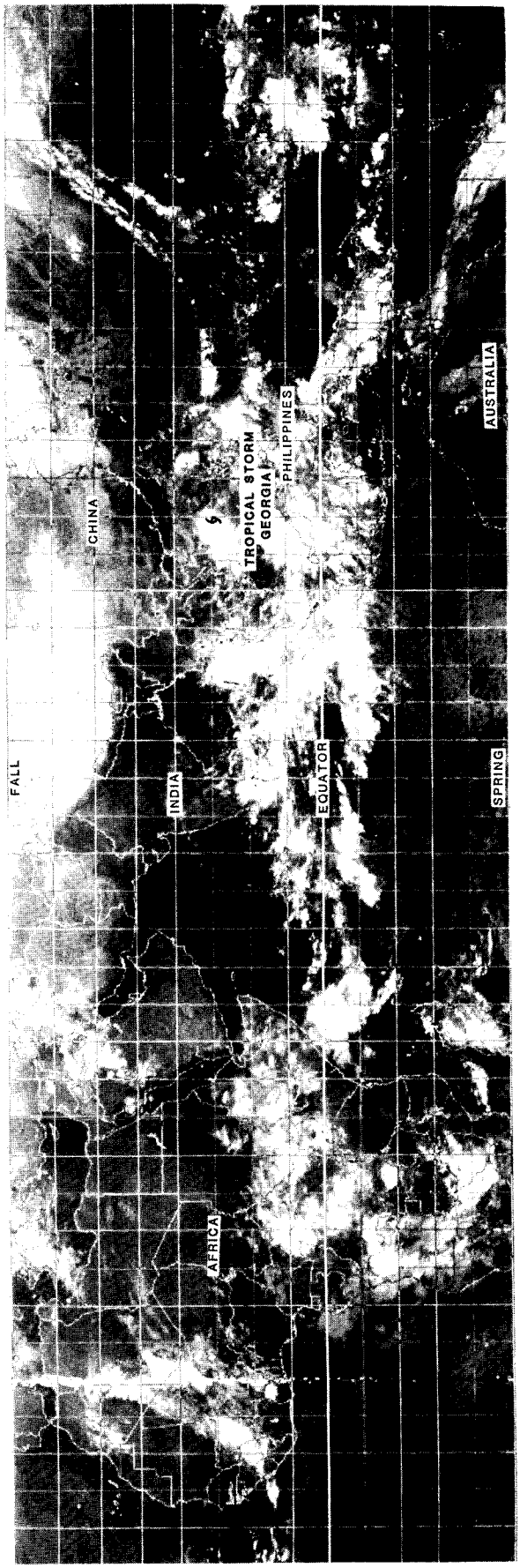
WYOMING: Temperatures above normal. Precipitation above normal, except northwest.

Days suitable for fieldwork 4.0. Topsoil moisture 80% adequate, 20% surplus. Corn for grain harvested 15%, 40% 1985, 40% avg. Dry beans harvested 90%, 90% 1985, 95% avg. Potatoes harvested wind-up stages, 85% 1985. Sugarbeets dug 80%, 75% 1985, 90% avg. Winter wheat mostly good. Hay supplies for wintering livestock adequate throughout State. Livestock mostly good.

Global Weather Satellite Image

October 20, 1986





International Weather and Crop Summary

October 19 - 25, 1986

HIGHLIGHTS:

UNITED STATES ... Drier weather boosts row crop harvest and winter wheat seeding across the Corn Belt and northern Great Plains. Rain and wetness interrupts harvest and seeding in the central and southern Great Plains.

WESTERN U.S.S.R. ... Widespread, significant rain over the Ukraine and parts of the North Caucasus improves conditions for winter grain emergence and autumn growth.

EUROPE ... Wet weather across the north increases soil moisture for winter grains. Light rain in the southeast improves emergence prospects for winter grains, but more rain is needed.

SOUTH ASIA ... Mostly dry weather prevails in India's cotton and rice areas. Drier weather in the east brings relief to previously wet Bangladesh.

EASTERN ASIA ... Showers continue over the North China Plain, favoring winter grain emergence but hampering cotton harvesting.

MEXICO ... Hurricane Roslyn produces substantial rain along the west coast early in the week and spreads showers over north-central to northeastern Mexico later in the week.

CANADA ... Dry, mild weather favors harvesting that is nearing completion in the Prairie grain belt.

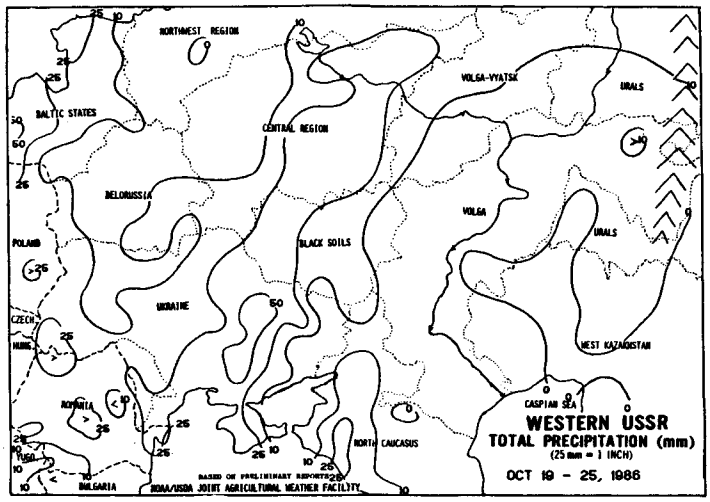
SOUTHEAST ASIA ... Scattered showers fall throughout Thailand's upland crop areas.

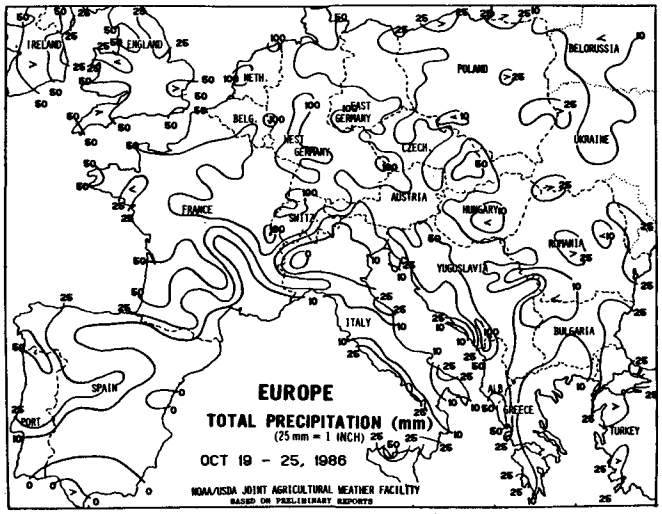
SOUTH AMERICA ... Dry, mild weather favors summer crop planting in Argentina, while beneficial rain falls in the moisture deficient region of Sao Paulo and southern Minas Gerais, Brazil.

AUSTRALIA ... Substantial showers continue in eastern Australia, benefiting wheat in the grain-filling to maturing stages and promoting summer crop planting.

SOUTH AFRICA ... Scattered showers continue in the Maize Triangle, possibly prompting limited early planting.

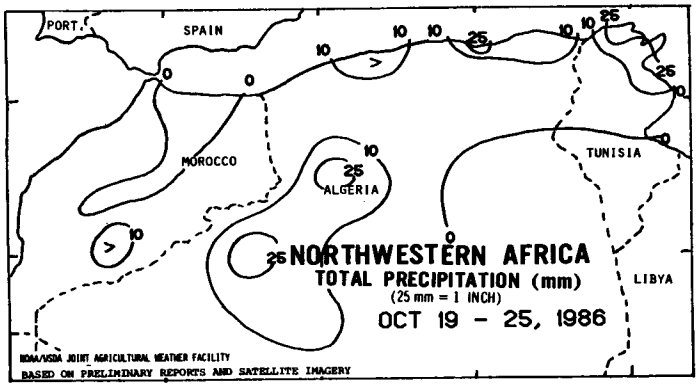
NORTHWESTERN AFRICA ... Rainfall diminishes over the region, as the winter grain planting season approaches.



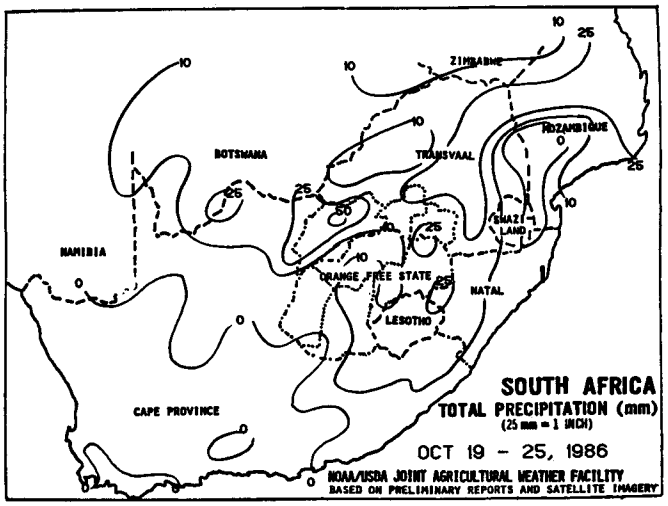


WESTERN U.S.S.R. ... High pressure that had kept major southern winter grain producing areas dry in September and early October moved eastward, allowing a frontal system to penetrate the region. As a result, widespread significant rain covered much of the Ukraine, the Black Soils Region, and parts of the North Causasus. The rain in these areas increased topsoil moisture and improved conditions for winter grain emergence and autumn growth. The precipitation extended northward into winter grain areas in the Baltic States and the Central Region, maintaining abundant moisture conditions. Weekly temperatures were above normal over the region, allowing continued growth in the south.

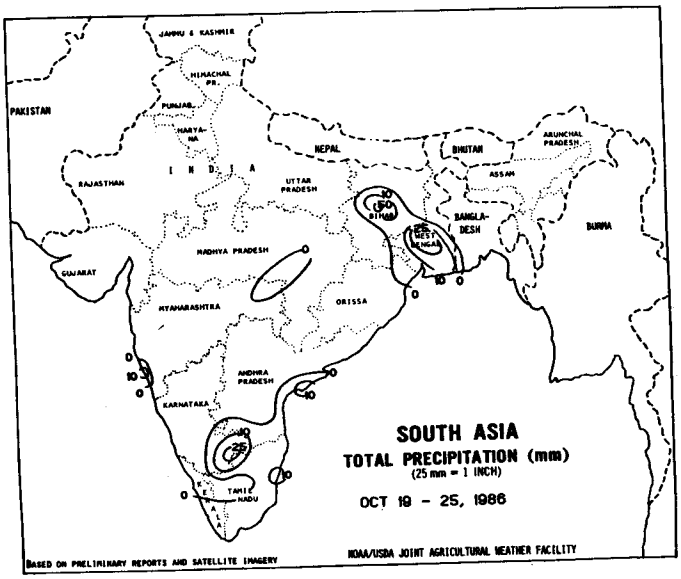
EUROPE ... Most crop areas over the northern half of the region received abundant rain, improving prospects for winter grain emergence and autumn growth. Wet weather in central and southwestern France likely delayed corn harvesting. Precipitation diminished in Mediterranean crop areas. The drier weather in Spain was welcomed, particularly eastern crop areas that received heavy rains the past few weeks. In southeastern Europe, widespread, light showers covered winter grain areas in Hungary, Romania, Yugoslavia, and Bulgaria, increasing soil moisture for winter grain emergence. However, more rain is needed in these areas. Weekly temperatures were near normal over much of the region.



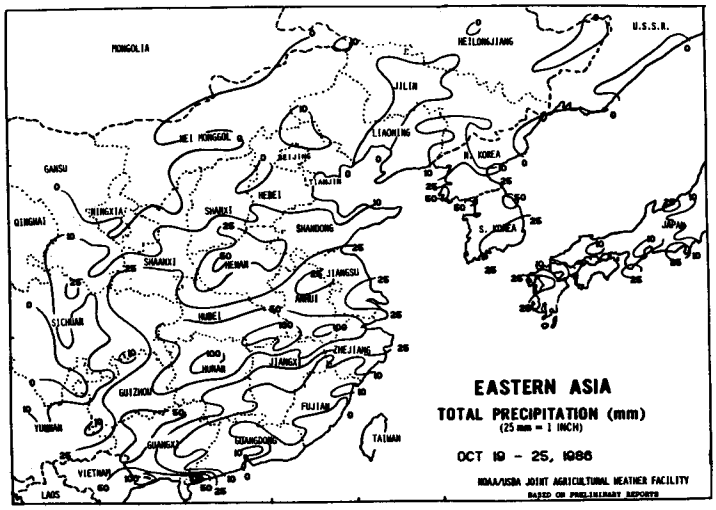
NORTHWESTERN AFRICA ... Rainfall diminished over Morocco with only light showers (less than 5mm) covering the winter grain areas. Light rain (5mm or less) fell over all crop areas of Algeria and Tunisia. More substantial showers fell along coastal areas with weekly rainfall ranging from 10 to 38mm. The heavier showers were spotty over western crop areas of Algeria but more widespread in eastern grain areas of Algeria and northern crop areas of Tunisia. Early-season rain began to moisten topsoils for winter grain planting that will begin soon.



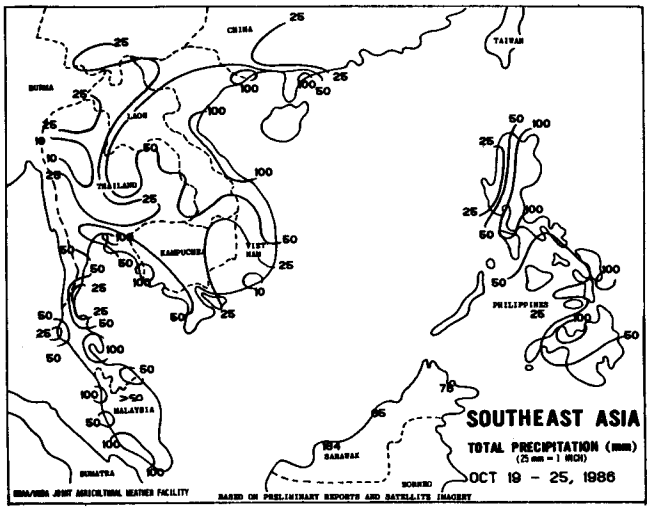
SOUTH AFRICA ... Scattered showers continue to improve soil conditions in the Maize Triangle. Rainfall generally ranged from 10 to more than 50mm throughout the Triangle except in the central Orange Free State that received only light rain (less than 10mm). The rainfall may have prompted some early planting, but most planting should take place from early November through December, as the rainy season progresses.



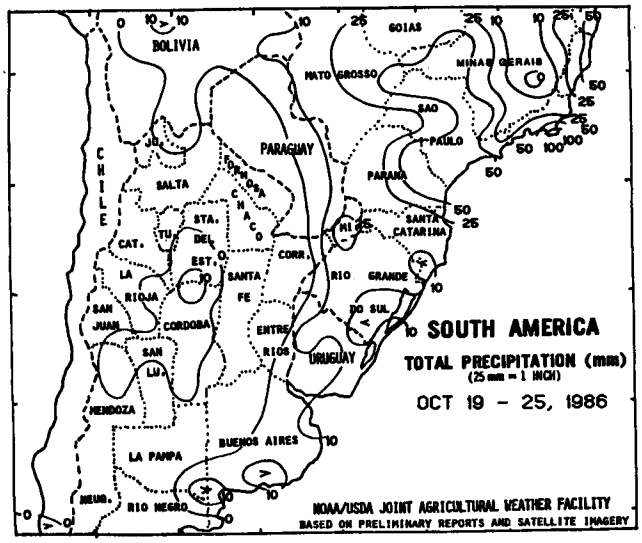
SOUTH ASIA ... Mostly dry weather continued in southern India's cotton region, with some scattered showers in southern-most areas. Cotton was mostly in the boll forming stage of development in the region that extends from Gujarat and western Madhya Pradesh to Tamil Nadu. Dry weather covered northern India's wheat region, likely hindering late planting and emergence in unirrigated areas. Scattered showers fell in eastern India's rice region, but mostly dry weather brought relief to previously flooded areas of Bangladesh.



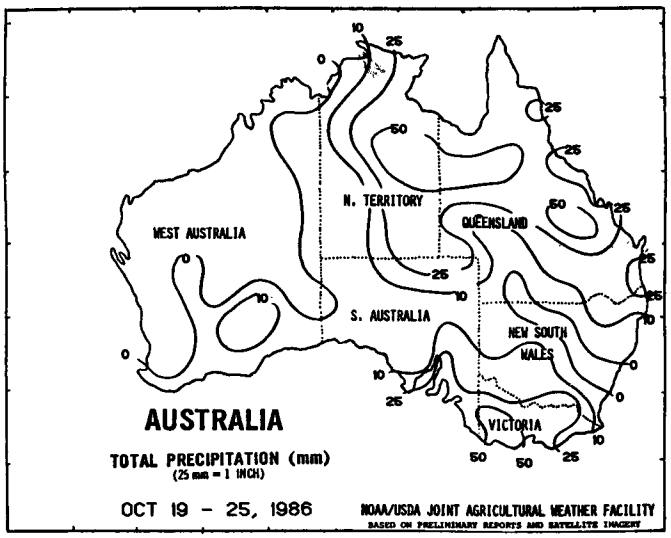
EASTERN ASIA ... Two frontal systems traversed the North China Plain, producing light to moderate rain for the second consecutive week. Heaviest rainfall (25 to 50mm) covered Shaanxi, southern Shanxi, and Henan, continuing to provide sufficient soil moisture for winter grain emergence. Lighter amounts (10 to 25mm) covered Shandong, Jiangsu, and Anhui, improving emergence prospects for nonirrigated winter grains. The rain that covered the North China Plain likely hampered cotton maturation and harvesting. Further south, heavy rain (50 to 100mm) in Hunan, Hubei, and southern Anhui was unfavorable for maturing rice and early harvesting. Dry weather in eastern Guangxi and Guangdong favored maturing rice.



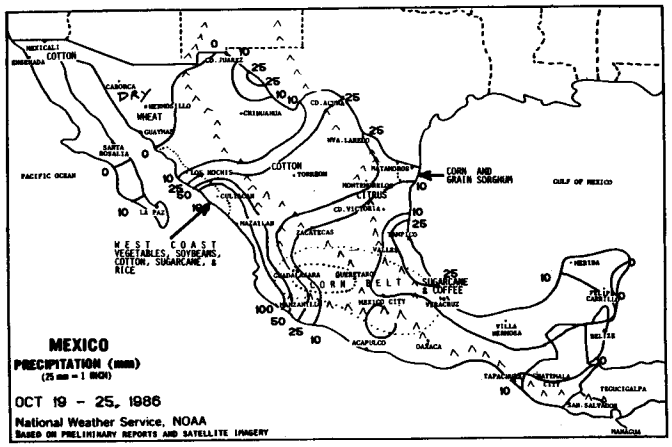
SOUTHEAST ASIA ... Scattered moderate to heavy tropical showers (25 to 85mm), generated by Tropical Storm Georgia, covered Thailand's north-central and eastern upland rice regions. However, rainfall averaged less than 25mm in the south-central and western rainfed crop areas. Mostly heavy showers (50 to more than 100mm) from the tropical storm covered central Vietnam and southern Laos while moderate rain (10 to 50mmm) fell in northernmost Vietnam and Laos and from northern Kampuchea to southern Vietnam. Moderate to heavy shower activity continued in the Philippines with rainfall averaging more than 100mm in southern and eastern Luzon.



SOUTH AMERICA ... Mostly dry weather prevailed over Argentina's crop areas, while widespread showers fell over south-central Brazil. In Argentina, some rain fell along the southern and eastern coast of Buenos Aires, but dry weather elsewhere favored summer crop planting. Corn was over 40 percent planted, sunflowers were about 25 percent sown and sorghum and soybean plantings were just beginning. Early-planted crops were in good condition, and moisture was also favorable for grain filling wheat. In south-central Brazil, showers fell over most soybean and corn growing areas maintaining moist conditions for planting and early growth but possibly slowing the wheat harvest. Extremely beneficial rain (25 to over 50mm) fell in Sao Paulo and southern Minas Gerais, improving conditions for summer crop planting and providing some relief from the moisture deficiency during coffee tree flowering.



AUSTRALIA ... Mostly moderate to heavy showers (10 to 77mm) benefited pastures and grain-filling to maturing wheat in eastern Australia. Rainfall averaged above normal throughout the east, except for the grain areas of central South Australia and central New South Wales. Planting of summer crops was likely underway in New South Wales and Queensland that have benefited from moderate shower activity since mid-September. Mostly dry weather covered grain areas of Western Australia with rain averaging less than 5mm in coastal areas. Temperatures continue to be cooler than normal, averaging 11 to 15 degrees C in western and southern grain areas and 17 to 21 degrees C in Queensland.



MEXICO ... Hurricane Roslyn moved up the west coast of Mexico early in the week, producing substantial rain along coastal areas from south of Colima and Manzanillo to the north in Los Mochis. Maximum sustained wind speeds averaged 75 knots with gusts to 90 knots before the storm turned inland in the vicinity of Mazatlan, Sinaloa on Wednesday, October 22. The hurricane dissipated rapidly over land, but remnants of the storm spread showers throughout north-central Mexico. Dry weather prevailed over northwestern winter wheat areas. Light showers (5mm or less) fell over central portions of the Southern Plateau Corn Belt and southern Mexico. Heavier showers (10 to 40mm) fell along the east coast to the Yucatan peninsula.

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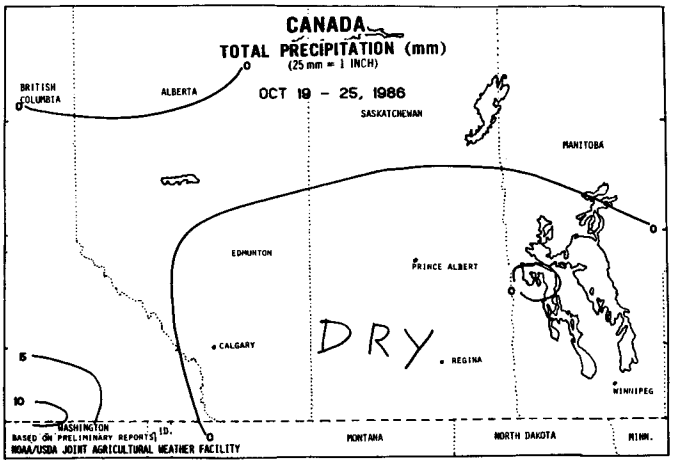

CANADA ... Dry, mild weather prevailed across the Prairie grain belt, providing favorable conditions for harvesting. In Saskatchewan, the major grain-producing province, swathing of grains and oilseeds is virtually complete and combining is over 90 percent finished. Over 80 percent of the crops in both Manitoba and Alberta were combined. Thus, while crop quality was lowered by unfavorable cool, damp weather that persisted during September, recent weather allowed rapid progress toward completion of the harvest. Weekly summaries will be discontinued until the spring planting season.

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