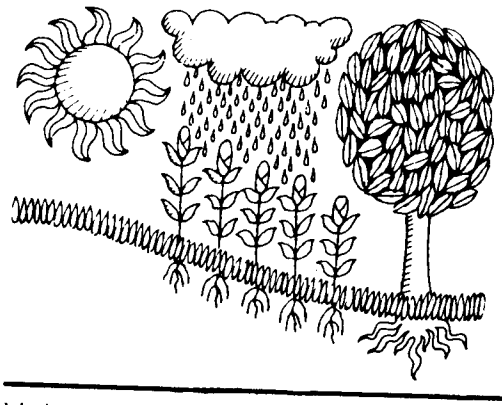

WEEKLY WEATHER AND CROP BULLETIN

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

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

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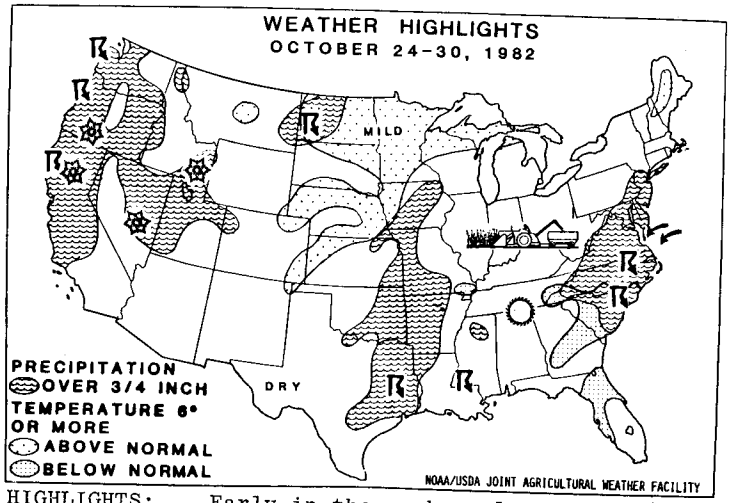
National Weather Summary

October 24 - 30



HIGHLIGHTS: Early in the week, a low-pressure system moved northward along the east coast and triggered strong winds, heavy rain, and high tides from South Carolina to southern New England. Moderate rain and showers reached to the eastern slopes of the Appalachians. Cold air spread over the Eastern United States as the low pressure moved off into the Atlantic. Another weather system moved slowly through the West and, by midweek, began to spread showers into the Plains, through the Great Lakes, and to the upper Ohio Valley. Heavy showers and a few thunderstorms reached from eastern Texas to Iowa.

SUNDAY . . .An intense low-pressure system off the southeast coast battered the coastal region with gale force winds, high tides, and heavy rain from South Carolina to southern Virginia. Rain spread inland to the slopes of the Appalachians and covered the coasts of Delaware and New Jersey. A cold front in the West triggered rainshowers throughout California, over the central Plateau, and to the northern Rockies. Snow covered some higher elevations. Another approaching cold front began to spread showers along the northwest coast. Early-morning freezing temperatures covered the northeastern quarter of the Nation, but mild afternoon temepratures--in the seventies--spread over the High Plains to the Dakotas.

MONDAY . . .A storm system off the east coast continued to produce locally heavy rain and high winds along the mid-Atlantic and southern New England coasts. Another intense storm system produced heavy rain and high winds along the Pacific coast--and snow in some of the mountains of California and Oregon. Showers spread over the central Plateau and to the northen Rockies. Open weather through the Midwest and Plains allowed fieldwork to progress.

TUESDAY . . .The storm off the east coast moved into the Atlantic, but in the West, showers were widespread over all states west of the Rockies. Heavy snow fell on some higher elevations. Unusually cold weather covered the area east of the Plains, and some areas in the Southeast reported record cold temperatures. Light showers were widely scattered through the Missouri River Valley.

WEDNESDAY . . .A cold front ushered brisk northwesterly wind and colder air into the Plains. Light showers spread throughout the Plains and into the Great Lakes region. Showers were light through most of the winter wheat portions of the central Plains, but some isolated heavier showers fell. The morning was still cool east of the Mississippi River, but it began to warm during the day.

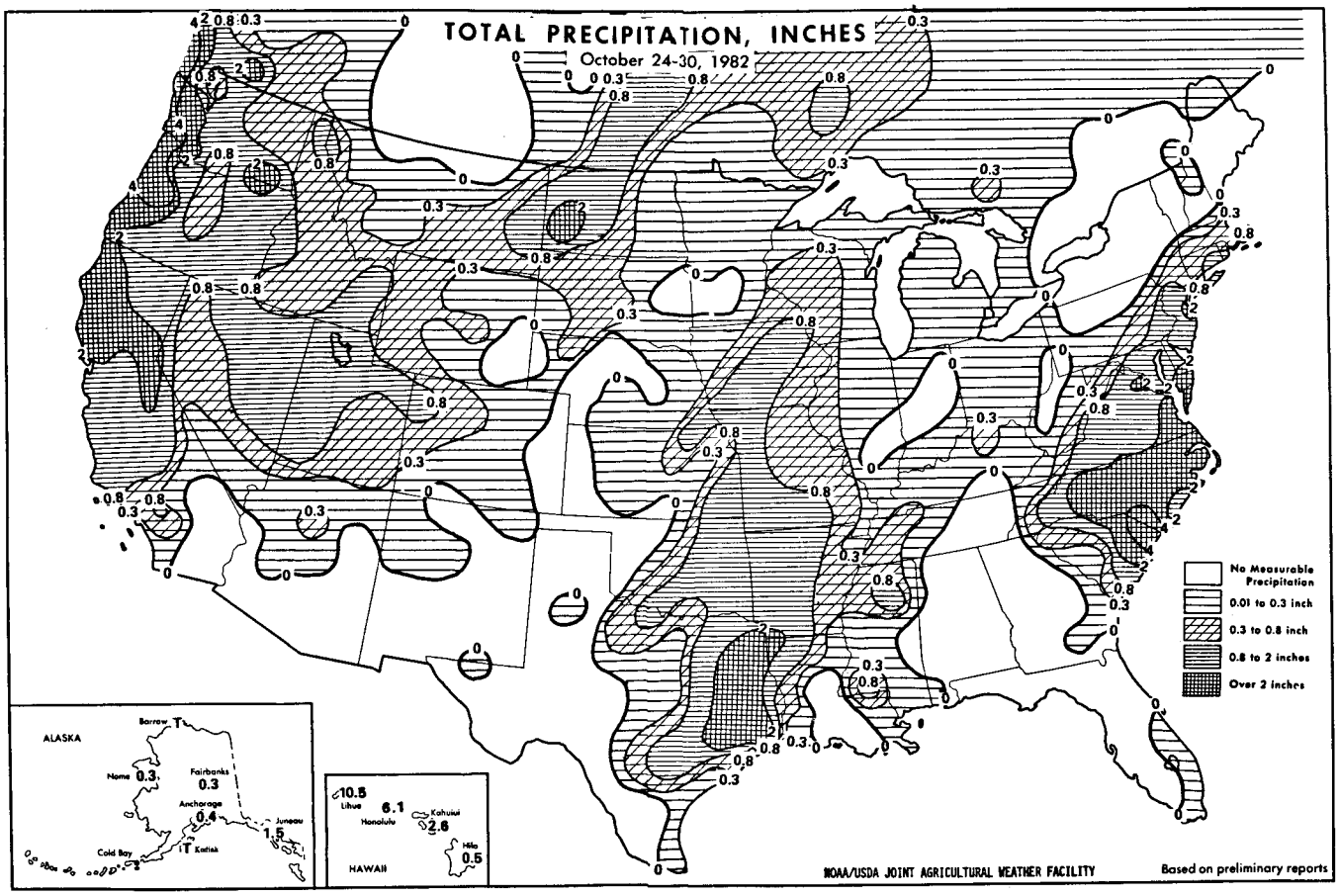
THURSDAY . . .Showers and thunderstorms were moderate from southeastern Texas to eastern Iowa, and lighter showers covered the northern Plains and western Great Lakes, and from western Tennessee through Indiana. Field activity came to a near halt in the western Corn Belt because of the wet weather. Temperatures were warming in the East, but cold weather continued to pour into the Plains. More rain began to spread over the Pacific Northwest.

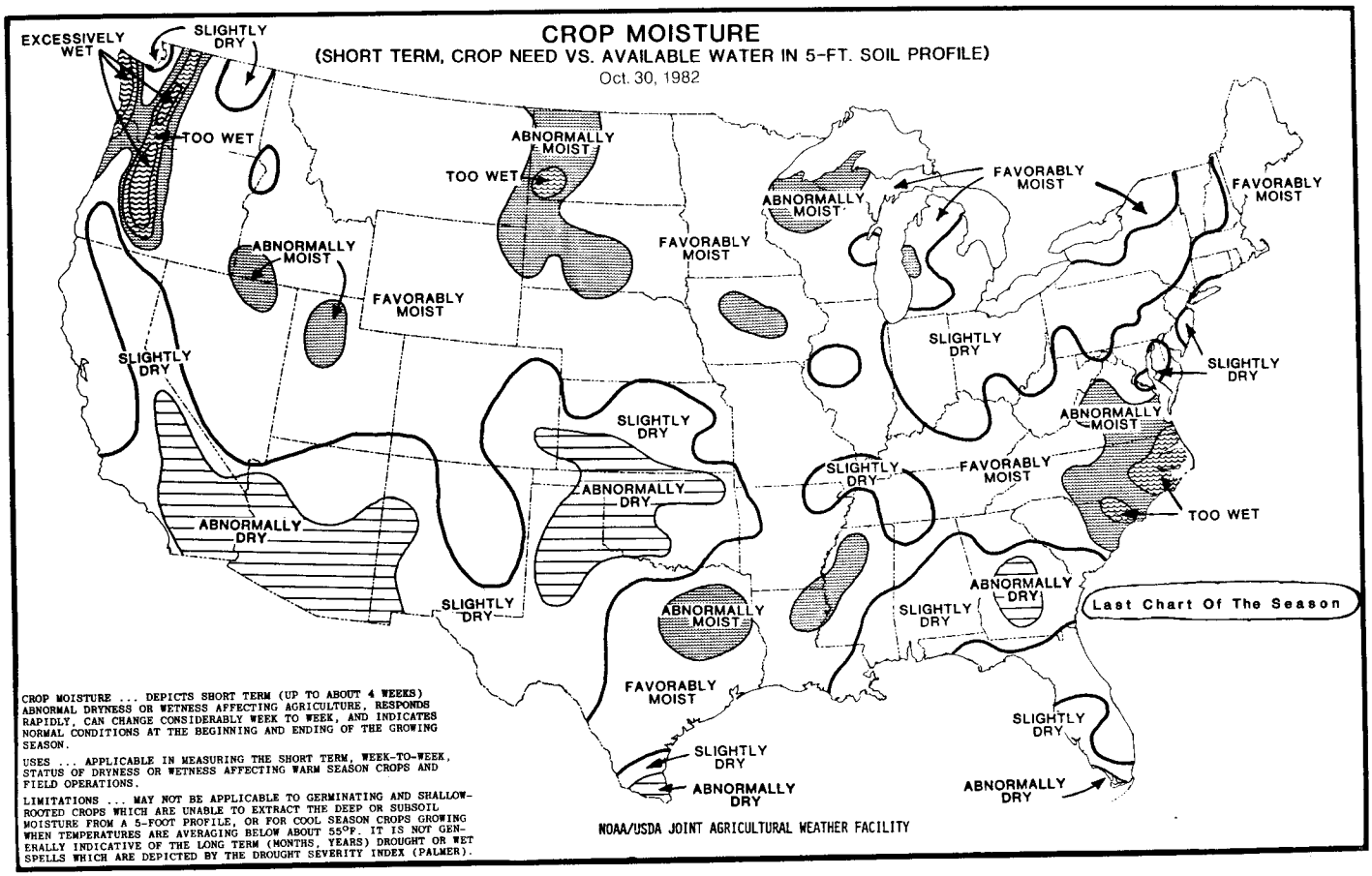
FRIDAY . . .Showers and a few thunderstorms fell along a cold front which advanced to a line from the eastern Great Lakes to Louisiana and southeastern Texas. Moderate showers were confined to parts of the Mississippi Delta. A low-pressure center off the northern coast of California spread moderate, occasionally heavy showers through northern California and Oregon and lighter showers from south-central California over the central Plateau to the northern Rockies. Much colder weather prevailed over the West. Freezing temperatures covered the Rockies and spread over the High Plains from the Texas Panhandle northward.

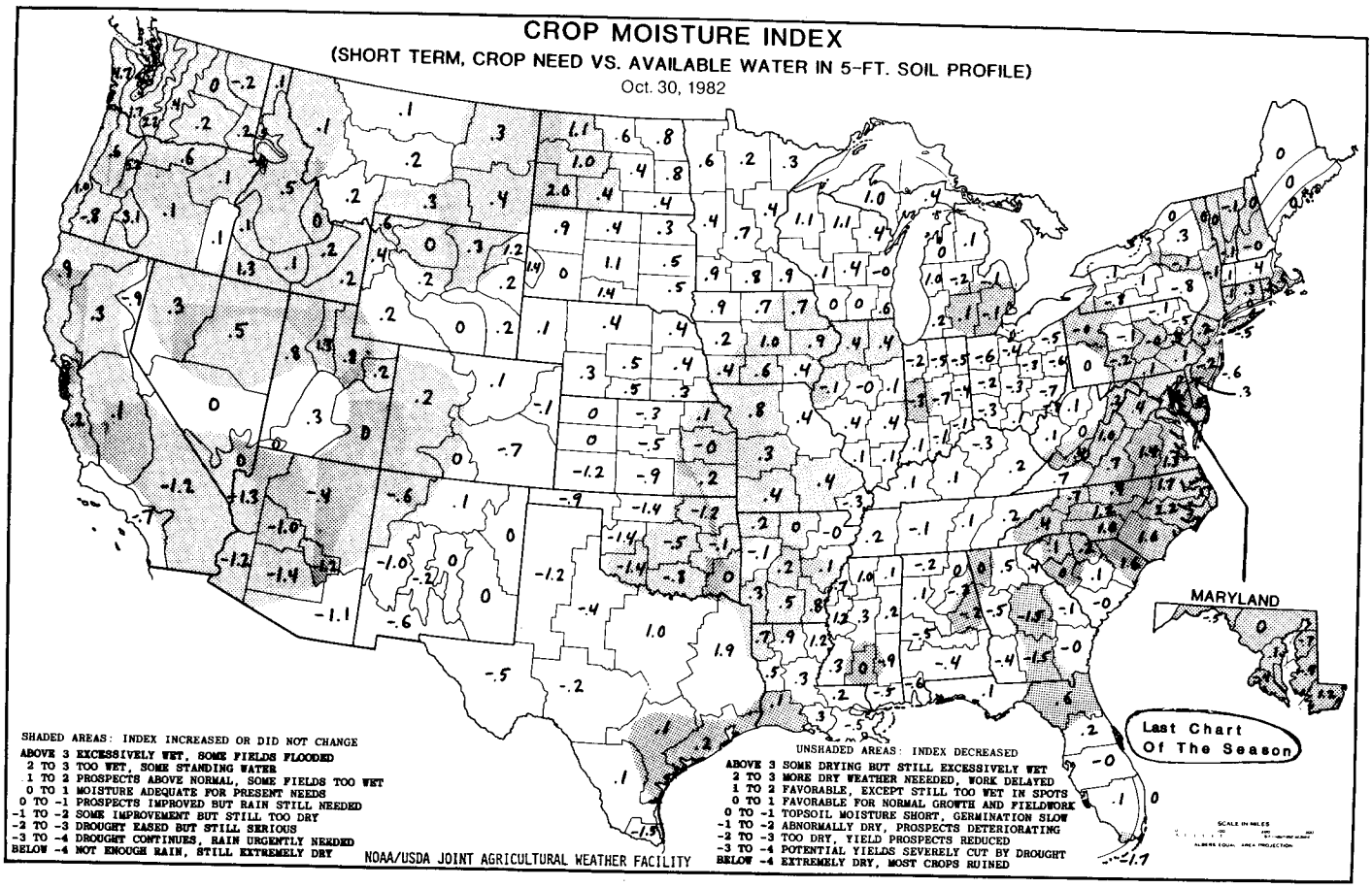
(continued on p.19)

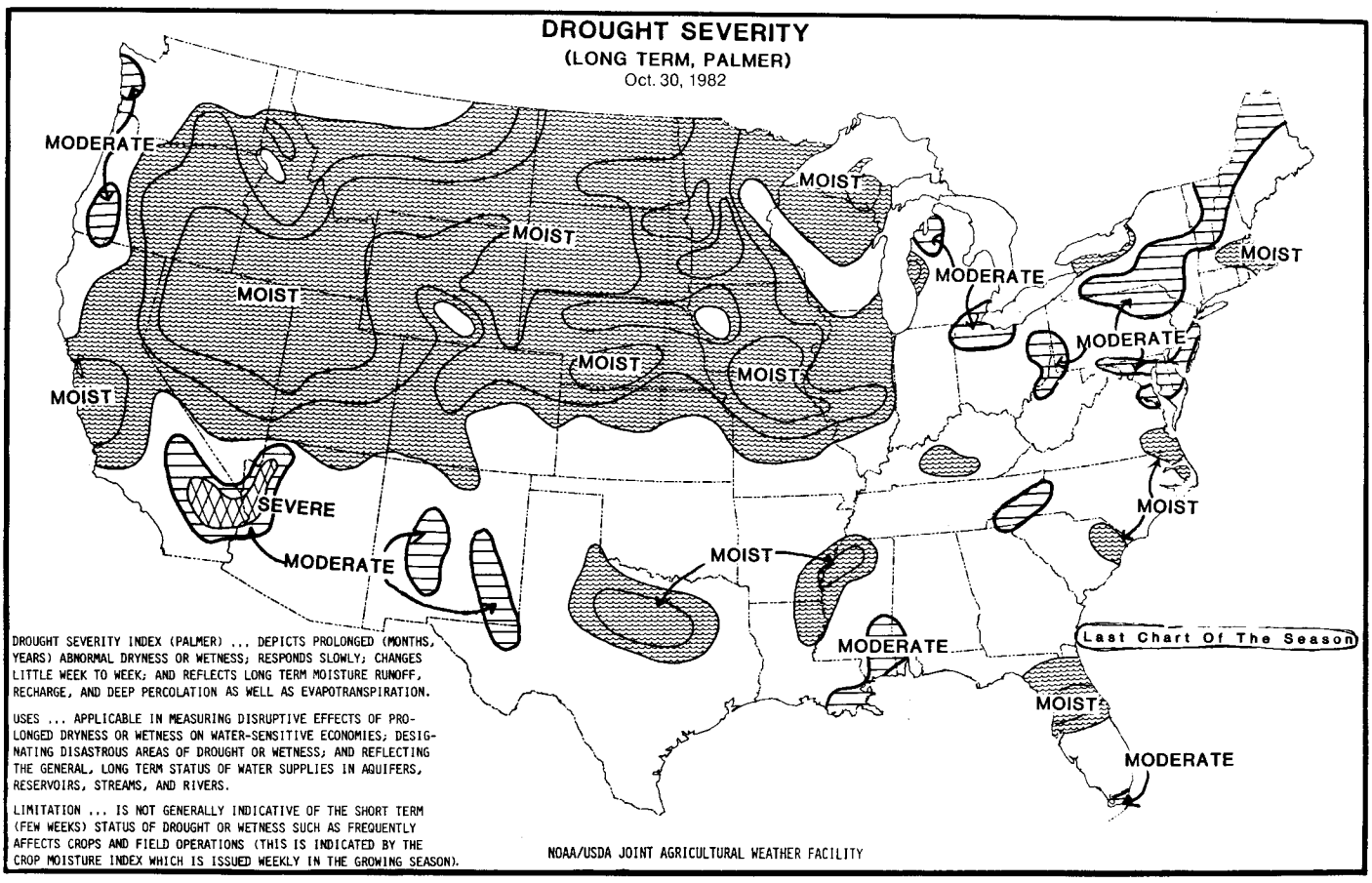
Contents

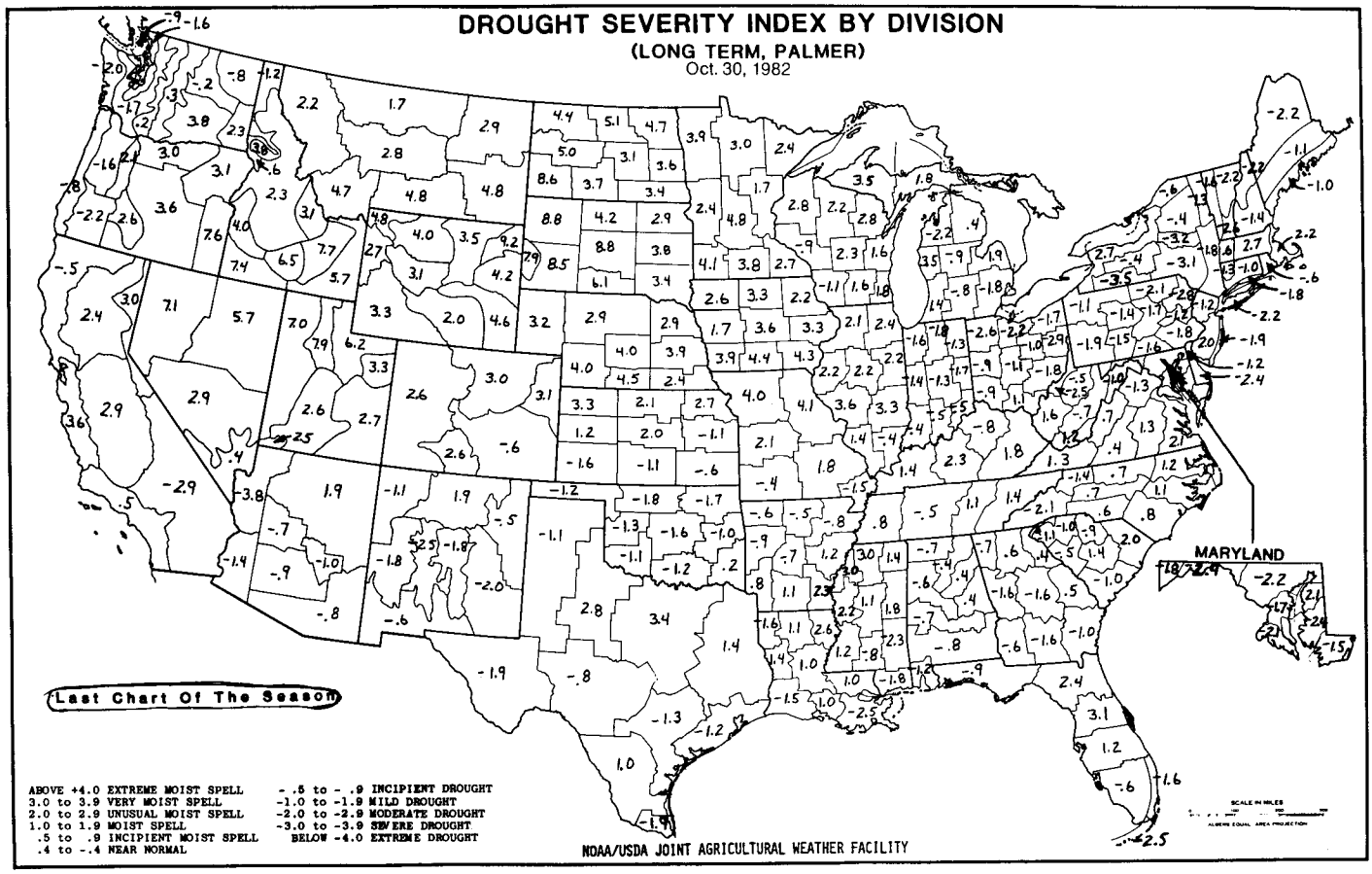
	Page
National Weather Summary	1
Precipitation & Crop Moisture	2
Crop Moisture Index & Drought Severity	3
Drought Severity Index & Precipitation Needed to End Drought	4
Average Temperature & Departure	5
Weather Data for Selected Cities	6
National Agricultural Summary	9
Crop Progress	10
State Summaries of Weather & Agriculture	11
Weekly Heating Degree Days	16
International Weather & Crop Summary	17
Subscription & Mailing Permit Information	20

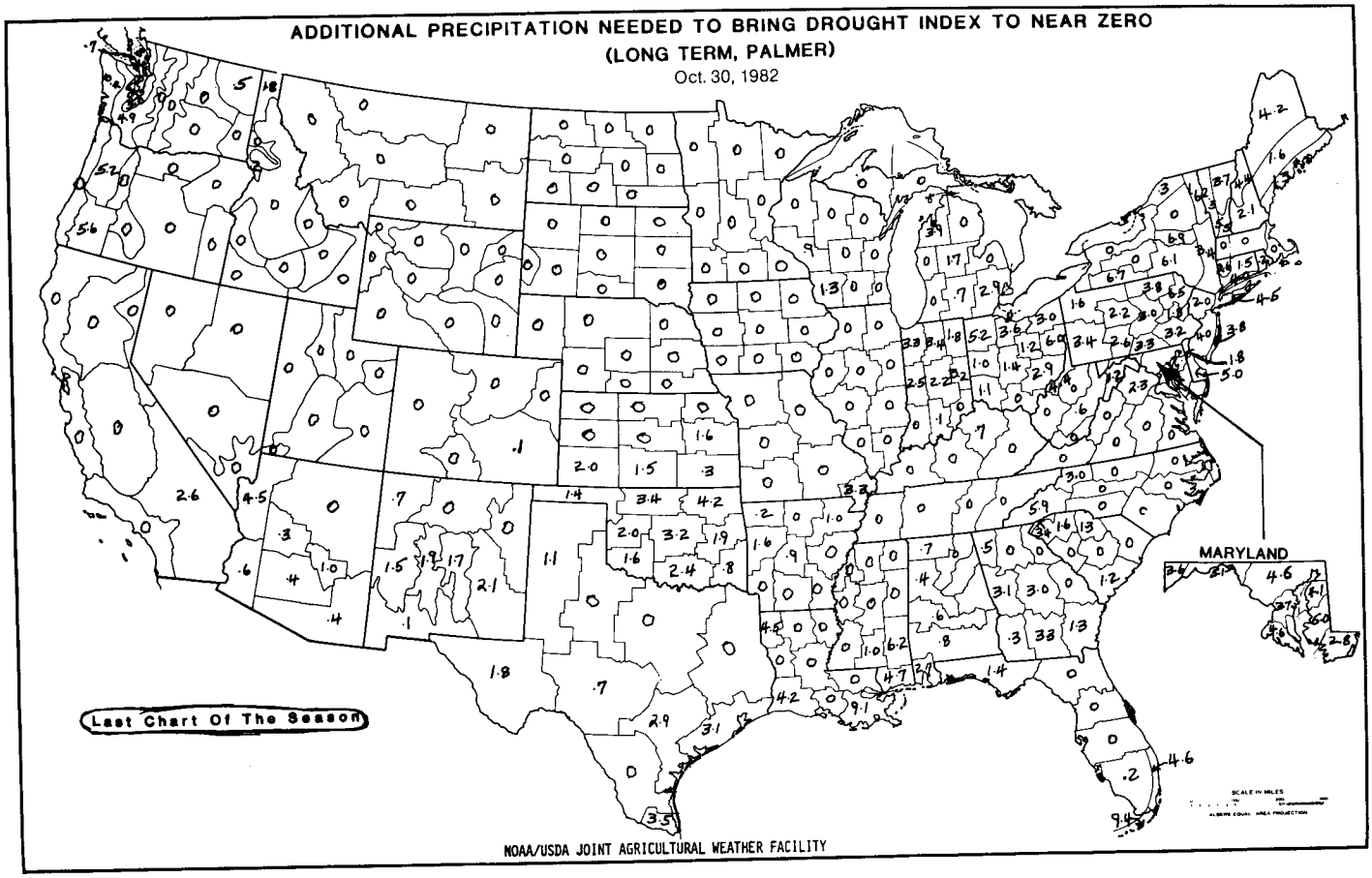

TOTAL PRECIPITATION, INCHES
October 24-30, 1982
No Measurable Precipitation
0.01 to 0.3 inch
0.3 to 0.8 inch
0.8 to 2 inches
Over 2 inches
ALASKA
Barrow
Nome 0.3
Fairbanks 0.3
Anchorage 0.4
Juneau 1.5
Cold Bay
T Kotlik
HAWAII
10.5 Lihue
6.1 Honolulu
2.6 Kahului
0.5 Hilo
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports

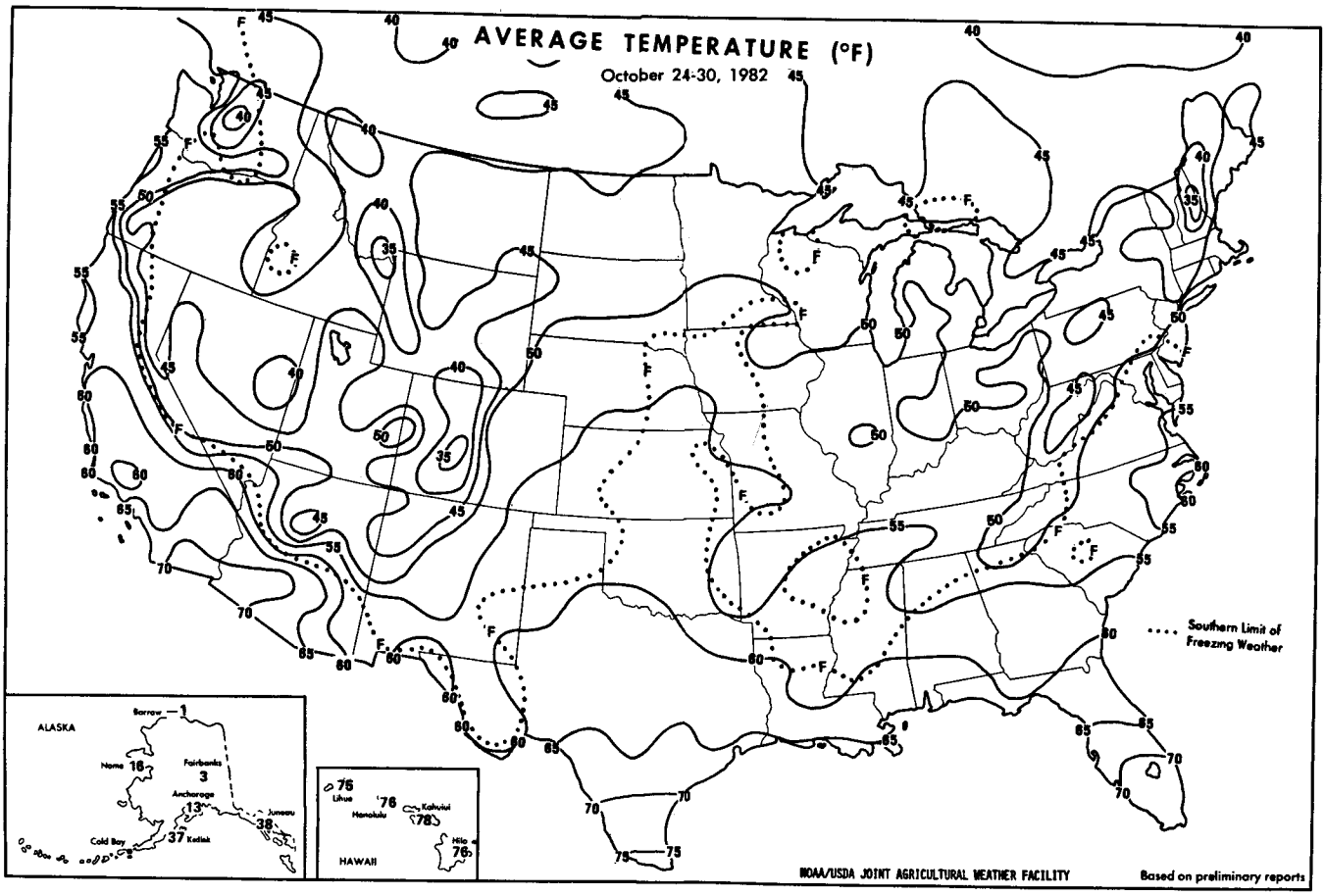

CROP MOISTURE
(SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE)
Oct. 30, 1982
EXCESSIVELY WET
SLIGHTLY DRY
TOO WET
ABNORMALLY MOIST
FAVORABLY MOIST
ABNORMALLY DRY
Last Chart Of The Season
CROP MOISTURE ... DEPICTS SHORT TERM (UP TO ABOUT 4 WEEKS) ABNORMAL DRYNESS OR WETNESS AFFECTING AGRICULTURE, RESPONDS RAPIDLY, CAN CHANGE CONSIDERABLY WEEK TO WEEK, AND INDICATES NORMAL CONDITIONS AT THE BEGINNING AND ENDING 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 (PALMER).
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

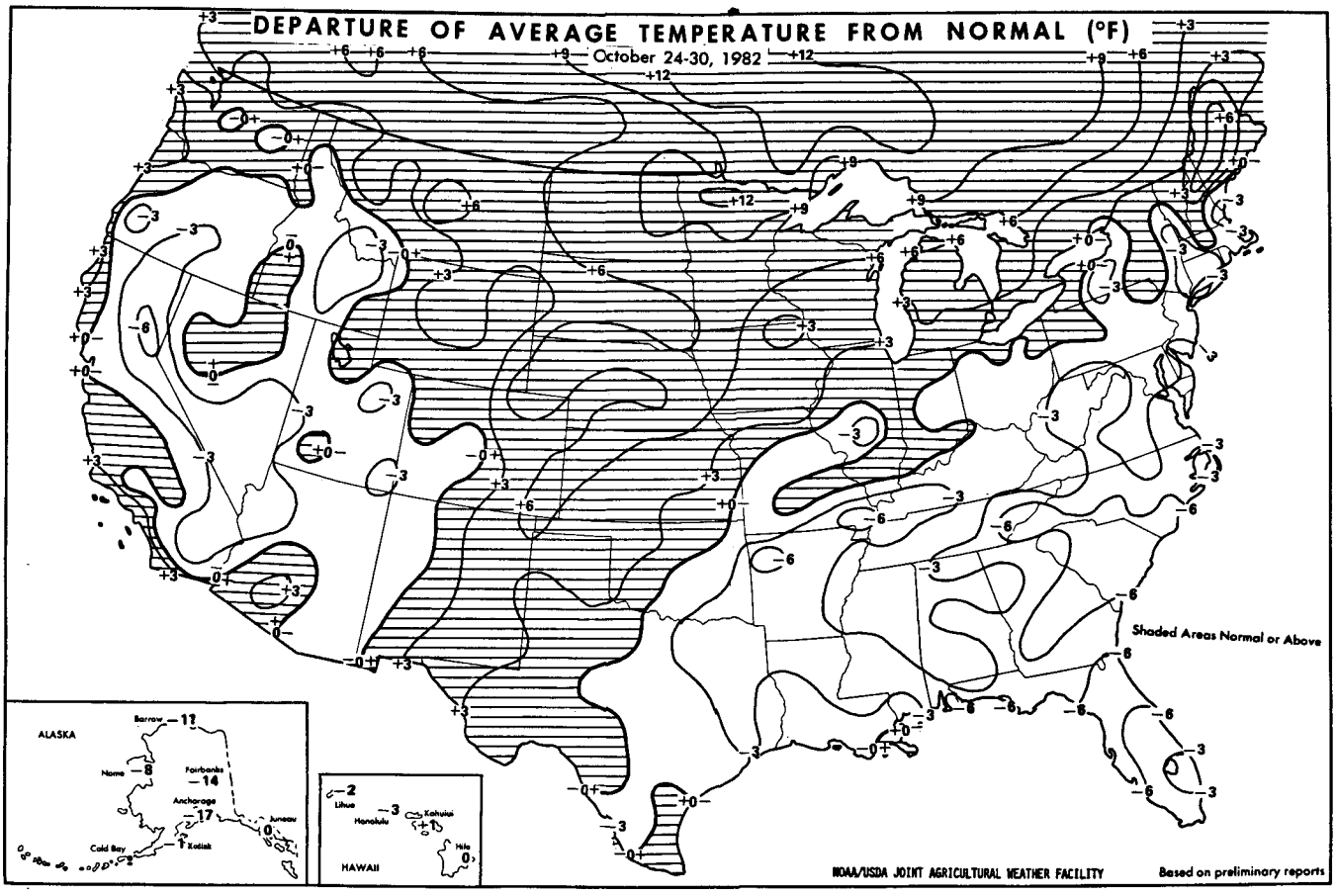

CROP MOISTURE INDEX
(SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE)
Oct. 30, 1982
MARYLAND
SHADED AREAS: INDEX INCREASED OR DID NOT CHANGE
ABOVE 3 EXCESSIVELY WET, SOME FIELDS FLOODED
2 TO 3 TOO WET, SOME STANDING WATER
1 TO 2 PROSPECTS ABOVE NORMAL, SOME FIELDS TOO WET
0 TO 1 MOISTURE 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
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
Last Chart Of The Season
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY


DROUGHT SEVERITY
(LONG TERM, PALMER)
Oct. 30, 1982
MODERATE
MOIST
MOIST
MOIST
MOIST
MOIST
MOIST
MODERATE
MODERATE
MOIST
SEVERE
MODERATE
MOIST
MODERATE
MOIST
MODERATE
Last Chart Of The Season
DROUGHT SEVERITY INDEX (PALMER) ... DEPICTS PROLONGED (MONTHS, YEARS) ABNORMAL DRYNESS OR WETNESS; RESPONDS SLOWLY; CHANGES LITTLE 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-SENSITIVE ECONOMIES; DESIGNATING DISASTROUS AREAS OF DROUGHT OR WETNESS; AND REFLECTING THE GENERAL, LONG TERM STATUS OF WATER SUPPLIES IN AQUIFERS, RESERVOIRS, STREAMS, AND RIVERS.
LIMITATION ... IS NOT GENERALLY INDICATIVE OF THE 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 WHICH IS ISSUED WEEKLY IN THE GROWING SEASON).
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY


DROUGHT SEVERITY INDEX BY DIVISION
(LONG TERM, PALMER)
Oct. 30, 1982
MARYLAND
Last Chart Of The Season
ABOVE +4.0 EXTREME MOIST SPELL
3.0 to 3.9 VERY MOIST SPELL
2.0 to 2.9 UNUSUAL MOIST SPELL
1.0 to 1.9 MOIST SPELL
.5 to .9 INCIPIENT MOIST SPELL
.4 to -.4 NEAR NORMAL
- .5 to - .9 INCIPIENT DROUGHT
-1.0 to -1.9 MILD DROUGHT
-2.0 to -2.9 MODERATE DROUGHT
-3.0 to -3.9 SEVERE DROUGHT
BELOW -4.0 EXTREME DROUGHT
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY


ADDITIONAL PRECIPITATION NEEDED TO BRING DROUGHT INDEX TO NEAR ZERO
(LONG TERM, PALMER)
Oct. 30, 1982
MARYLAND
Last Chart Of The Season
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY


AVERAGE TEMPERATURE (°F)
October 24-30, 1982
Southern Limit of Freezing Weather
ALASKA
HAWAII
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


DEPARTURE OF AVERAGE TEMPERATURE FROM NORMAL (°F)
October 24-30, 1982
Shaded Areas Normal or Above
ALASKA
HAWAII
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports

Weather Data for the Week Ending Oct. 30, 1982

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 Aug. 29	PCT. NORMAL SINCE Aug. 29	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	72	41	79	33	56	-3	0	- .6	0	3.7	47	53.7	125	90	31	0	0	0	0
	MOBILE	74	48	79	39	61	-4	T	- .4	T	6.3	55	62.5	112	89	40	0	0	1	0
	MONTGOMERY	76	41	82	34	59	-3	0	- .5	0	3.9	49	49.3	124	86	29	0	0	0	0
AK	ANCHORAGE	20	6	24	-3	13	-17	.4	.1	.4	9.0	176	15.9	124	90	58	0	7	3	0
	BARROW	2	-5	6	-10	-1	-11	T	- .1	T	1.3	77	4.6	100	81	66	0	7	2	0
	FAIRBANKS	10	-4	19	-18	3	-14	.3	.2	.1	2.8	127	11.1	112	71	53	0	7	6	0
	JUNEAU	43	33	50	25	38	0	1.5	- .2	.3	12.9	68	39.5	91	97	73	0	3	7	0
	KODIAK	44	30	52	25	37	-1	T	- 1.4	T	12.3	80	47.9	106	70	38	0	5	0	0
	NOME	24	8	31	-3	16	-8	.3	0	.2	6.0	122	15.8	107	77	50	0	7	3	0
AZ	PHOENIX	83	58	89	50	70	3	T	- .1	T	.1	8	5.8	105	50	15	0	0	0	0
	PRESCOTT	66	41	74	27	53	0	T	- .3	T	.7	23	10.8	71	54	18	0	2	1	0
	TUCSON	81	50	88	39	65	0	0	- .1	0	2.2	88	10.9	116	38	12	0	0	0	0
	YUMA	83	61	96	53	72	1	0	- .1	0	.1	11	2.9	132	39	18	1	0	0	0
AR	FORT SMITH	70	39	76	28	54	-4	.9	.2	.9	4.1	46	36.2	102	93	39	0	2	1	1
	LITTLE ROCK	70	46	75	37	58	-1	1.1	.4	1.1	3.8	46	44.4	117	81	43	0	0	2	1
CA	BAKERSFIELD	71	56	80	47	64	1	1.2	1.1	.5	1.7	567	6.5	163	94	53	0	0	3	1
	EUREKA	64	49	71	42	57	3	3.1	2.1	2.1	5.2	111	29.8	114	93	67	0	0	5	2
	FRESNO	69	52	76	43	61	0	1.6	1.4	.8	2.7	338	11.3	164	93	52	0	0	4	2
	LOS ANGELES	74	59	81	53	67	3	.2	0	.1	1.0	250	9.6	122	81	37	0	0	2	0
	RED BLUFF	66	48	74	37	57	-4	1.6	1.2	1.1	3.5	219	16.3	112	94	53	0	0	3	1
	SACRAMENTO	64	49	71	38	56	-3	1.9	1.6	.9	3.8	271	21.9	171	97	59	0	0	3	2
	SAN DIEGO	77	61	86	54	69	4	.1	0	.1	.5	125	9.5	158	80	37	0	0	2	0
	SAN FRANCISCO	64	53	68	47	59	-1	1.9	1.6	1.2	2.8	255	25.4	208	79	56	0	0	5	1
CO	DENVER	63	37	71	31	50	3	.2	0	.2	2.9	97	11.6	87	75	26	0	1	1	0
	GRAND JUNCTION	58	43	70	33	51	1	.6	.4	.6	3.4	136	7.4	104	75	42	0	0	3	1
	PUEBLO	70	34	77	19	52	3	T	- .2	T	2.1	100	14.8	135	83	19	0	3	2	0
CT	BRIDGEPORT	59	37	67	30	48	-6	.6	- .2	.6	2.5	35	38.1	124	88	48	0	1	2	1
	HARTFORD	60	29	71	22	45	-4	.7	- .1	.6	5.7	69	43.6	129	90	40	0	6	2	1
DC	WASHINGTON	66	43	74	40	54	-1	1.2	.6	1.2	3.6	49	31.2	96	83	42	0	0	2	1
FL	APALACHICOLA	73	50	77	43	62	-6	0	- .4	0	22.9	155	64.9	129	84	47	0	0	0	0
	DAYTONA BEACH	74	52	81	44	63	-7	T	- 1.0	T	7.0	43	44.9	99	89	51	0	0	0	0
	JACKSONVILLE	73	47	82	40	60	-7	T	- .7	T	13.4	85	47.6	96	98	50	0	0	0	0
	KEY WEST	78	70	82	66	74	-4	.1	- .9	.1	8.6	53	35.0	99	81	62	0	0	2	0
	MIAMI	80	66	82	59	73	-3	.1	- 1.4	.1	15.9	73	59.2	109	91	59	0	0	2	0
	ORLANDO	78	56	86	47	67	-5	0	- .6	0	7.8	55	50.1	106	93	46	0	0	0	0
	TALLAHASSEE	76	43	84	36	60	-6	0	- .5	0	7.7	65	53.7	101	93	36	0	0	0	0
	TAMPA	77	55	82	49	66	-6	0	- .4	0	13.5	121	54.2	121	97	49	0	0	0	0
	WEST PALM BEACH	81	67	86	58	74	-1	.1	- 1.4	.1	11.2	47	64.5	114	79	52	0	0	2	0
GA	ATLANTA	69	43	75	38	56	-2	T	- .6	T	9.0	123	47.1	118	78	34	0	0	0	0
	AUGUSTA	69	40	76	32	54	-6	.1	- .4	.1	5.7	83	34.0	93	88	41	0	1	1	0
	MACON	74	39	80	36	57	-5	0	- .5	0	3.6	51	37.6	102	95	35	0	0	1	0
	SAVANNAH	70	47	77	43	58	-5	T	- .4	T	4.7	45	48.1	106	87	43	0	0	1	0
HI	HILO	83	68	85	65	76	0	.5	- 2.3	.3	21.6	92	159.1	158	91	67	0	0	5	0
	HONOLULU	83	68	89	66	76	-3	6.1	5.6	2.5	6.7	258	29.4	188	89	66	0	0	4	4
	KAHULUI	86	70	90	62	78	1	2.6	2.2	2.2	3.0	200	26.1	209	86	55	1	0	2	1
	LIHUE	82	68	86	66	75	-2	10.5	9.5	6.1	13.4	191	59.7	196	94	64	0	0	4	4
ID	BOISE	56	41	70	31	48	1	1.3	1.1	.7	3.3	220	10.8	120	87	50	0	2	4	1
	LEWISTON	56	43	64	37	50	2	.6	.3	.4	2.3	100	10.8	107	95	56	0	0	3	0
	POCATELLO	52	37	63	25	44	1	.8	.6	.2	4.8	343	14.9	173	92	57	0	1	6	0
IL	CHICAGO	63	38	70	23	51	1	T	- .5	T	3.0	43	29.7	108	93	35	0	3	2	0
	MOLINE	64	40	69	28	52	2	.5	0	.5	5.7	68	35.5	115	78	33	0	3	1	0
	PEORIA	64	39	70	28	52	2	T	- .5	T	3.0	38	34.8	114	83	35	0	2	1	0
	QUINCY	63	41	73	31	52	1	.4	- .2	.4	6.8	73	37.0	--	84	42	0	2	1	0
	ROCKFORD	63	37	68	27	50	2	.1	- .5	.1	4.7	55	33.8	107	91	36	0	3	2	0
	SPRINGFIELD	62	38	69	27	50	-1	.2	- .5	.1	6.7	83	31.0	105	85	43	0	3	2	0
IN	EVANSVILLE	68	37	74	31	53	-1	.1	- .5	.1	8.8	129	40.3	116	83	36	0	2	1	0
	FORT WAYNE	65	35	73	26	50	1	T	- .7	T	2.0	29	32.1	106	74	29	0	4	0	0
	INDIANAPOLIS	64	35	73	28	50	-1	T	- .6	T	2.4	35	32.1	101	85	35	0	3	0	0
	SOUTH BEND	63	37	71	28	50	1	T	- .7	T	3.2	40	32.2	107	88	38	0	2	1	0
IA	DES MOINES	64	43	67	35	54	5	1.2	.8	1.2	7.8	122	38.2	140	76	37	0	0	1	1
	SIOUX CITY	65	43	70	37	54	6	T	- .2	T	8.3	154	26.4	110	78	42	0	0	2	0
	WATERLOO	60	38	64	30	49	3	1.2	.7	1.2	6.0	76	28.1	94	80	42	0	3	1	1
KS	CONCORDIA	67	44	72	37	56	4	.1	- .2	.1	3.4	54	34.9	137	75	36	0	0	2	0
	DODGE CITY	71	45	76	37	58	5	T	- .3	T	2.1	48	18.0	96	64	28	0	0	3	0
	GOODLAND	68	38	76	30	53	5	0	- .2	0	4.1	128	24.3	159	68	26	0	2	0	0
	TOPEKA	69	41	74	30	55	2	.2	- .3	.2	2.5	32	32.5	104	81	34	0	1	1	0
	WICHITA	70	43	73	34	57	2	T	- .4	T	2.4	30	24.8	91	71	31	0	0	1	0
KY	BOWLING GREEN	66	36	73	28	51	-4	.2	- .3	.2	9.4	145	40.6	105	97	37	0	3	1	0
	LEXINGTON	64	39	72	30	52	-1	.3	- .2	.3	5.5	96	30.6	85	82	39	0	2	1	0
	LOUISVILLE	65	39	73	32	52	-2	.2	- .4	.2	5.3	82	34.7	97	82	37	0	1	1	0
LA	ALEXANDRIA	76	50	82	36	63	-2	T	- 1.0	T	9.6	109	41.9	--	78	37	0	0	0	0
	BATON ROUGE	76	49	80	40	62	-2	T	- .6	T	4.6	58	37.7	85	87	40	0	0	0	0
	LAKE CHARLES	76	51	83	41	63	-3	.2	- .6	.2	14.7	155	43.7	97	85	44	0	0	1	0
	NEW ORLEANS	76	51	83	42	63	-3	.1	- .4	.1	9.6	96	50.1	106	98	43	0	0	1	0

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

+100 = NORMAL & ACTUAL NEAR THE SAME

Weather Data for the Week Ending Oct. 30, 1982

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 Aug. 29	PCT. NORMAL SINCE Aug. 29	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	71	48	78	37	60	-4	1.7	1.0	1.3	6.7	91	29.0	81	96	52	0	0	2	1
ME CARIBOU	56	34	63	23	45	5	T	- .7	T	5.4	61	29.3	100	83	40	0	4	1	0
PORTLAND	59	30	67	23	44	-1	T	- .9	T	4.0	53	34.9	114	90	38	0	4	0	0
MD BALTIMORE	63	38	71	35	51	-3	1.9	1.2	1.9	6.0	81	30.7	93	86	40	0	0	1	1
SALISBURY	63	41	72	35	52	-3	2.0	1.3	2.0	5.4	57	33.6	90	99	57	0	0	3	1
MA BOSTON	59	41	72	36	50	-2	.6	- .2	.6	4.9	60	40.1	120	84	45	0	0	2	1
CHATHAM	56	45	61	39	50	--	1.9	--	1.1	13.0	--	41.4	--	92	69	0	0	2	2
MI ALPENA	62	35	65	23	48	5	.1	- .3	.1	4.8	73	20.9	93	91	38	0	4	2	0
DETROIT	64	34	72	23	49	0	.1	- .5	.1	3.1	53	24.7	93	90	39	0	3	1	0
FLINT	64	36	71	25	50	3	.1	- .5	.1	3.6	60	20.9	84	89	37	0	3	1	0
GRAND RAPIDS	64	36	71	25	50	3	T	- .5	T	3.7	51	25.1	96	78	34	0	4	1	0
HOUGHTON LAKE	61	35	65	23	48	5	.1	- .5	.1	5.6	76	25.4	109	90	42	0	4	2	0
LANSING	63	35	71	22	49	1	T	- .5	T	4.2	68	20.5	81	91	35	0	4	1	0
MARQUETTE	58	37	65	28	48	8	.1	- .5	.1	9.6	113	32.2	110	92	40	0	3	2	0
MUSKEGON	59	38	65	26	48	1	T	- .6	T	4.5	62	26.3	105	85	47	0	4	1	0
SAULT STE. MARIE	59	36	62	27	48	6	.1	- .5	.1	9.4	111	29.4	116	96	50	0	1	2	0
MN ALEXANDRIA	57	40	62	27	49	7	.1	- .3	T	6.1	124	25.2	113	87	46	0	1	2	0
DULUTH	55	40	64	29	47	7	.3	- .2	.2	9.6	143	29.9	115	81	41	0	1	3	0
INT'L FALLS	57	40	66	29	49	11	.1	- .2	.1	7.6	117	23.0	99	88	48	0	2	1	0
MINNEAPOLIS	59	42	67	34	51	6	.1	- .3	.1	6.6	112	22.7	98	75	41	0	0	2	0
ROCHESTER	58	41	65	34	49	5	.5	- .2	.5	9.0	148	31.7	126	77	40	0	0	2	0
MS GREENWOOD	73	46	82	33	59	-1	.2	- .5	.1	9.6	139	44.8	--	88	38	0	0	2	0
JACKSON	76	41	82	31	58	-3	T	- .6	T	7.8	118	50.5	130	98	36	0	2	1	0
MERIDIAN	77	42	84	35	60	-1	T	- .5	T	2.5	38	44.0	108	83	30	0	0	0	0
MO CAPE GIRARDEAU	68	39	73	29	53	-3	.1	- .7	.1	3.8	44	40.2	112	98	45	0	3	1	0
COLUMBIA	66	39	74	31	52	-1	.5	- .1	.5	7.6	77	40.3	124	90	40	0	2	1	0
KANSAS CITY	65	42	70	33	54	1	.7	.1	.7	4.8	49	41.1	124	80	38	0	0	1	1
SAINT LOUIS	65	41	73	31	53	-1	.3	- .3	.3	7.7	112	43.0	142	98	38	0	2	1	0
SPRINGFIELD	67	40	72	33	54	-1	.9	.2	.9	4.1	43	34.4	101	69	28	0	0	1	1
MT BILLINGS	56	39	68	33	48	3	.6	.5	.5	2.6	96	16.7	135	80	39	0	0	2	0
GLASGOW	57	34	68	21	45	5	T	- .1	T	2.2	116	11.1	116	76	39	0	2	0	0
GREAT FALLS	56	35	67	26	45	2	.1	0	.1	3.2	139	16.1	122	77	36	0	2	2	0
HAVRE	57	32	66	21	45	3	0	- .1	0	1.7	71	14.0	132	89	37	0	3	0	0
HELENA	52	32	64	24	42	1	.1	0	T	3.3	165	12.6	130	83	46	0	5	3	0
KALISPELL	48	30	54	19	39	1	.1	- .1	.1	2.3	82	16.0	128	94	64	0	5	2	0
MILES CITY	56	35	66	30	46	2	.8	.7	.8	3.9	163	14.5	118	90	46	0	1	1	1
MISSOULA	50	37	57	30	43	3	.2	0	.1	2.7	108	14.1	134	97	59	0	1	3	0
NE GRAND ISLAND	67	42	76	34	54	6	T	- .1	T	4.7	100	33.0	153	72	34	0	0	0	0
LINCOLN	68	43	72	37	55	6	.1	- .2	T	4.3	74	34.7	138	68	33	0	0	2	0
NORFOLK	66	42	72	35	54	7	T	- .2	T	6.5	138	26.5	119	75	38	0	0	1	0
NORTH PLATTE	65	35	75	26	50	4	T	- .1	T	3.8	100	18.1	99	85	31	0	3	0	0
OMAHA	65	45	69	39	55	6	.2	- .1	.2	6.0	95	30.6	113	68	43	0	0	1	0
SCOTTSBLUFF	64	37	74	27	51	6	T	- .1	T	2.8	127	20.5	156	73	27	0	1	0	0
VALENTINE	64	33	71	24	49	4	T	- .2	T	3.6	113	22.0	133	75	35	0	3	0	0
NV ELY	49	29	56	17	39	-2	1.0	.9	.5	5.9	536	13.7	199	94	54	0	6	4	0
LAS VEGAS	69	49	76	42	59	-2	T	0	T	.1	17	2.7	79	52	24	0	0	1	0
RENO	54	37	62	25	45	-1	1.6	1.5	.6	4.0	444	8.3	154	93	51	0	2	4	2
WINNEMUCCA	53	32	62	22	43	-1	.9	.7	.3	2.3	209	7.0	108	89	47	0	3	5	0
NH CONCORD	61	25	72	17	43	-2	0	- .7	0	3.3	48	30.8	109	84	34	0	6	0	0
NJ ATLANTIC CITY	62	38	72	32	50	-3	.9	0	.9	2.5	30	25.9	71	99	56	0	1	2	1
NM ALBUQUERQUE	68	38	76	27	53	0	T	- .1	T	1.5	75	5.9	83	58	20	0	2	1	0
CLOVIS	71	41	79	30	56	1	0	- .3	0	2.0	43	14.2	--	73	25	0	1	0	0
ROSWELL	76	43	80	30	59	4	0	- .2	0	2.0	54	6.4	57	51	20	0	1	0	0
NY ALBANY	61	34	72	26	48	0	0	- .6	0	2.5	35	27.1	101	90	40	0	5	0	0
BINGHAMTON	60	38	70	28	49	2	0	- .7	0	2.5	34	28.6	94	84	39	0	2	0	0
BUFFALO	61	37	69	29	49	1	0	- .7	0	5.1	66	30.7	108	89	41	0	2	0	0
NEW YORK	60	46	68	41	53	-1	.7	0	.6	2.3	31	29.0	88	85	45	0	0	2	1
ROCHESTER	60	35	74	29	48	0	0	- .6	0	4.8	76	25.2	98	93	42	0	3	0	0
SYRACUSE	60	34	72	24	47	-2	0	- .8	0	5.0	67	28.1	96	95	45	0	3	0	0
NC ASHEVILLE	63	32	72	28	47	-6	.9	.2	.9	4.9	56	42.2	112	95	34	0	4	2	1
CHARLOTTE	64	40	73	37	52	-6	2.2	1.6	1.4	4.7	61	34.5	99	88	43	0	0	2	2
GREENSBORO	62	37	71	34	50	-5	2.1	1.5	1.2	5.8	72	38.9	113	87	43	0	0	2	2
HATTERAS	65	54	69	51	60	-2	3.8	2.7	3.7	8.6	65	49.9	110	92	71	0	0	2	1
NEW BERN	65	45	74	39	55	-5	2.2	1.5	1.6	7.8	68	38.7	81	98	56	0	0	3	2
RALEIGH	65	41	73	38	53	-3	2.2	1.6	1.6	5.4	65	37.9	106	88	40	0	0	2	2
WILMINGTON	65	43	76	39	54	-8	1.4	.7	1.1	9.7	83	49.4	105	89	50	0	0	2	1
ND BISMARCK	59	36	73	23	48	6	.8	.7	.4	5.2	193	17.2	117	96	50	0	2	2	0
FARGO	59	39	65	22	49	8	T	- .2	T	8.0	211	18.5	102	87	51	0	2	1	0
GRAND FORKS	58	39	71	26	49	10	.1	- .2	T	6.2	159	19.7	114	97	54	0	1	2	0
WILLISTON	60	32	73	24	46	6	1.0	.9	.9	4.7	196	15.7	118	92	43	0	2	2	1
OH AKRON-CANTON	62	37	70	29	50	1	T	- .5	T	3.6	55	26.1	88	78	37	0	2	1	0
CINCINNATI	66	39	73	31	53	0	T	- .5	T	2.7	47	35.9	111	77	33	0	1	1	0
CLEVELAND	63	36	72	27	50	0	T	- .6	T	5.2	81	27.5	95	86	40	0	4	1	0
COLUMBUS	64	35	72	27	50	0	T	- .4	T	5.2	93	30.2	97	92	38	0	3	1	0

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

Weather Data for the Week Ending Oct. 30, 1982

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 Aug. 29	PCT. NORMAL SINCE Aug. 29	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	62	37	70	25	50	-1	T	- .5	T	2.5	47	34.7	119	85	39	0	3	1	0
TOLEDO	63	33	72	23	48	0	T	- .5	T	2.7	47	20.7	79	91	38	0	4	1	0
YOUNGSTOWN	64	37	72	26	51	2	T	- .7	T	2.4	33	25.5	81	83	37	0	3	1	0
OK OKLAHOMA CITY	72	43	77	36	58	0	.3	- .2	.3	4.0	51	31.5	114	80	36	0	0	1	0
TULSA	73	44	80	34	59	0	1.1	.5	1.1	4.2	46	27.3	85	81	35	0	0	1	1
OR ASTORIA	61	48	68	45	54	4	4.8	2.9	2.9	12.1	101	53.6	122	81	63	0	0	5	2
BURNS	52	28	53	18	40	-3	1.2	1.0	.7	2.7	208	9.4	113	70	37	0	3	4	1
MEDFORD	57	40	70	32	49	-1	1.0	.5	.8	2.8	88	11.8	86	98	65	0	1	4	1
PENDLETON	57	42	65	37	49	1	2.2	1.9	1.1	3.7	176	9.6	107	90	55	0	0	4	2
PORTLAND	59	48	69	41	54	3	2.6	1.6	1.2	8.8	144	31.5	129	89	65	0	0	4	2
SALEM	60	44	70	35	52	2	1.5	.4	.5	4.9	74	26.3	97	91	63	0	0	5	0
PA ALLENTOWN	62	36	71	31	49	-1	1.0	.4	1.0	3.1	40	38.6	112	97	44	0	2	1	1
ERIE	62	38	73	29	50	2	T	- .8	T	4.5	54	30.6	101	76	43	0	3	1	0
HARRISBURG	62	39	71	31	51	-1	.7	0	.6	4.8	75	35.1	106	88	43	0	1	2	1
PHILADELPHIA	63	41	69	37	52	-2	1.5	.9	1.4	4.8	66	35.0	109	90	40	0	0	2	1
PITTSBURGH	62	34	70	28	48	0	T	- .6	T	3.0	46	25.9	86	80	33	0	4	0	0
SCRANTON	63	36	88	29	50	1	T	- .6	T	2.0	29	30.5	107	87	47	0	3	0	0
RI PROVIDENCE	60	37	71	33	49	-1	.5	- .3	.4	7.0	85	43.2	132	89	42	0	0	2	0
SC CHARLESTON	67	46	79	43	56	-6	1.3	.7	1.3	6.4	60	41.4	91	93	51	0	0	1	1
COLUMBIA	66	37	74	32	51	-9	.2	- .3	.1	4.9	55	44.1	110	97	40	0	1	2	0
FLORENCE	64	42	71	38	53	-8	3.0	2.6	2.8	5.3	65	35.9	95	98	48	0	0	2	1
GREENVILLF	65	41	73	38	53	-5	.5	- .2	.5	4.7	52	47.0	119	82	33	0	0	1	0
SD ABERDEEN	60	38	66	23	49	7	T	- .2	T	--	--	--	--	86	49	0	2	1	0
HURON	60	40	67	29	50	6	T	- .3	T	7.9	184	24.0	135	93	55	0	1	0	0
RAPID CITY	61	36	71	27	48	3	.1	0	.1	6.4	246	25.3	159	79	37	0	3	1	0
SIOUX FALLS	61	40	68	29	50	6	T	- .2	T	13.1	238	28.3	125	89	50	0	2	1	0
TN CHATTANOOGA	69	35	77	29	52	-5	0	- .7	0	3.3	40	42.1	101	94	32	0	2	0	0
KNOXVILLE	65	36	73	30	50	-6	0	- .7	0	5.4	78	44.7	120	93	42	0	2	0	0
MEMPHIS	71	44	78	35	57	-1	.7	0	.7	7.1	99	48.6	123	86	38	0	0	1	1
NASHVILLE	70	40	81	29	55	-1	.1	- .5	.1	5.6	86	39.2	107	93	33	0	2	1	0
TX ABILENE	76	50	85	42	63	1	.2	- .4	.2	1.9	30	18.4	87	68	28	0	0	1	0
AMARILLO	73	42	80	30	58	3	0	- .3	0	2.1	45	17.0	94	58	21	0	1	0	0
AUSTIN	78	53	85	44	65	-1	.4	- .2	.4	5.1	59	21.5	79	82	41	0	0	1	0
BEAUMONT	77	52	84	41	65	-2	2.1	1.3	2.1	5.3	46	46.6	103	93	49	0	0	1	1
BROWNSVILLE	87	63	92	50	75	2	.3	- .3	.3	4.0	37	19.5	89	89	43	2	0	1	0
CORPUS CHRISTI	82	60	90	49	71	0	T	- .4	T	2.3	24	17.5	71	86	46	1	0	0	0
DEL RIO	80	54	84	44	67	0	0	- .3	0	1.1	17	9.3	60	75	29	0	0	0	0
EL PASO	80	48	90	35	64	5	0	- .1	0	5.2	236	7.9	114	48	17	1	0	0	0
FORT WORTH	74	46	80	39	60	-4	T	- .5	T	4.0	54	33.8	124	84	39	0	0	1	0
GALVESTON	73	62	78	50	67	-3	.4	- .1	.4	2.5	24	21.2	62	87	64	0	0	2	0
HOUSTON	76	51	82	40	64	-4	2.4	1.5	2.4	7.6	71	28.9	74	93	51	0	0	2	1
LUBBOCK	75	43	82	34	59	3	T	- .3	T	1.8	32	18.0	105	61	23	0	0	1	0
MIDLAND	78	48	85	40	63	1	0	- .3	0	2.5	68	12.7	104	67	20	0	0	0	0
SAN ANGELO	77	44	85	36	61	-2	0	- .3	0	1.4	23	16.2	102	92	30	0	0	0	0
SAN ANTONIO	78	52	84	37	65	-1	.5	- .1	.5	3.8	46	16.2	68	81	38	0	0	1	0
VICTORIA	80	56	87	44	68	-1	.5	- .2	.3	5.3	50	23.1	78	90	49	0	0	3	0
WACO	78	48	84	33	63	-2	.1	- .5	.1	1.7	24	23.5	90	91	39	0	0	1	0
WICHITA FALLS	75	45	83	39	60	-1	1.0	.5	1.0	4.1	57	34.5	146	90	30	0	0	1	1
UT BLANDING	56	31	69	21	44	-3	.7	.4	.7	3.3	106	12.6	121	74	40	0	3	1	1
CEDAR CITY	58	38	67	25	48	1	1.7	1.5	1.1	3.6	171	13.7	167	77	32	0	3	4	2
SALT LAKE CITY	56	40	65	31	48	1	1.4	1.1	.9	9.0	333	20.2	167	85	48	0	1	5	1
VT BURLINGTON	60	33	70	26	46	1	0	- .6	0	4.4	59	27.1	99	88	40	0	5	0	0
VA NORFOLK	63	45	74	39	54	-4	2.6	2.0	1.8	7.9	86	41.5	110	94	54	0	0	2	2
RICHMOND	65	41	75	39	53	-3	1.5	.8	1.3	5.5	56	40.5	113	97	51	0	0	2	1
ROANOKE	63	37	72	34	50	-4	1.4	.7	1.3	6.9	82	38.8	119	90	37	0	0	2	1
WA COLVILLE	52	40	63	34	46	5	.5	.1	.3	2.4	89	14.0	115	90	63	0	0	3	0
QUILLAYUTE	55	44	58	32	50	1	5.0	2.0	2.1	17.5	83	83.8	116	97	79	0	1	6	4
SEATTLE-TACOMA	57	46	67	36	51	2	1.9	.8	1.5	5.6	79	27.1	105	89	64	0	0	3	1
SPOKANE	51	36	61	27	44	1	.3	- .1	.1	3.2	119	12.6	102	96	67	0	2	3	0
YAKIMA	58	37	65	33	47	2	1.1	.9	.8	2.7	245	7.9	144	90	56	0	0	3	1
WV BECKLEY	58	36	68	28	47	-2	.1	- .5	.1	5.0	67	36.9	104	78	34	0	3	1	0
CHARLESTON	65	35	73	27	50	-3	T	- .6	T	4.8	69	35.9	105	89	33	0	3	0	0
HUNTINGTON	64	38	73	32	51	-2	T	- .5	T	4.5	75	35.6	109	77	34	0	1	1	0
PARKERSBURG	66	40	74	29	53	2	T	- .5	T	3.3	53	29.6	84	91	37	0	1	0	0
WI GREEN BAY	59	37	62	28	48	3	.1	- .3	.1	3.3	53	22.1	97	82	44	0	2	1	0
LA CROSSE	59	41	63	36	50	3	.4	0	.4	5.4	77	19.7	74	80	37	0	0	2	0
MADISON	60	36	63	25	48	3	.2	- .2	.1	4.0	56	23.7	90	88	39	0	4	2	0
MILWAUKEE	63	40	70	27	52	5	T	- .4	T	4.0	63	27.8	112	85	36	0	2	2	0
WAUSAU	58	38	63	31	48	5	.3	- .2	.2	9.7	121	33.9	120	90	41	0	1	3	0
WY CASPER	56	38	68	28	47	4	.3	.1	.3	4.6	209	16.3	165	81	42	0	2	2	0
CHEYENNE	57	37	68	31	47	4	T	- .2	T	3.8	158	17.7	136	77	34	0	1	0	0
LANDER	55	34	65	27	45	3	.3	0	.2	4.1	137	11.7	97	77	39	0	4	2	0
SHERIDAN	57	34	71	25	46	3	.3	.1	.3	2.9	94	13.0	94	83	40	0	3	1	0
PR SAN JUAN	89	75	90	73	82	2	.2	- 1.0	.1	5.2	35	35.1	73	87	55	3	0	5	0

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

National Agricultural Summary

October 25-31

HIGHLIGHTS: Clear weather permitted fieldwork to progress rapidly in all areas except parts of the Southeast where rain delayed activities. Farmers had 4 to 7 days suitable for fieldwork in all regions except in some areas of the Southeast where rain and wet fields limited days available to less than 4. Soil moisture supplies were adequate to surplus in Minnesota, Wisconsin, the Dakotas, and North Carolina. Other areas reported supplies short to adequate. Corn harvest was 55% completed, only 12 points behind normal schedule. Soybeans were 71% harvested, 1 point behind normal. Sorghum harvest continued to lag--only 59% was harvested, 21 points behind average. Cotton harvest advanced to 41%, 6 points behind normal. Winter wheat seeding continued on schedule--89% had been seeded and 72% had emerged. Stands were in good condition except in the southern Plains where dryness stressed plants. Livestock rated fair to good condition as movement from summer grazing continued active.

SMALL GRAINS: In the 15 major producing States, 89% of the 1983 winter wheat crop was seeded, and 72% had emerged. Progress was just slightly behind average. Seeding was finished in Montana, Nebraska, and South Dakota and neared completion in all other States except California, Missouri, Oklahoma, and Texas. All of the planted acreage in Nebraska had emerged, and 98% was emerged in South Dakota. Kansas wheat was in good to excellent condition in all areas except a few southern counties. Moisture supplies in Kansas were adequate in the northern third of the State and short to adequate elsewhere. The condition of the Oklahoma crop improved substantially in areas receiving rain. In the Corn Belt, emerged wheat was generally in fair to good condition. The Montana crop rated good with adequate soil moisture available. Short moisture supplies continued to hamper small grain development in Texas. High winds and dry conditions slowed wheat planting in the Panhandle. Replanting was necessary in some areas of the Low Plains since emerged fields died because of dryness. Scattered showers in central and eastern areas of the State provided some relief, but more rain is needed.

CORN: Harvest in the 17 major producing States advanced to 55% completion, lagging last year's 58% and the average of 67%. Progress was behind average in 9 of the 17 States. Combining generally lagged in all areas except the Southeast and the eastern Corn Belt. Good weather during the week permitted farmers to make rapid progress on harvest of the crop. Growers in Michigan and Ohio harvested 25% of their acreage during the week, while Indiana harvested 20% and Iowa combined 18% in 1 week. Harvest lagged the average by 40 points in Nebraska, 38 points in both Minnesota and South Dakota, 26 points in Colorado, 25 points in Iowa, and 20 points in Wisconsin. A late start and much wet weather delayed the harvest.

SOYBEANS: Harvest progressed rapidly in all areas except the Southeast where rain delayed activities. In the 18 major producing States, combining reached 71% completion, 6 points ahead of a year ago and only 1 point behind average. Harvest was behind average in 8 of the 18 States. During the week, growers in Minnesota harvested 39% of their acreage; Nebraska harvested 35%; Iowa, 33%; Tennessee, 29%; and Arkansas, 25%.

COTTON: Bolls were opening on 91% of the acreage in the 14 major producing States, about on schedule with last year and the average. Harvest was 41% complete, only 2 points behind a year earlier and 6 points behind average. Picking was just started in Oklahoma and neared completion in Missouri. The Texas harvest reached 26% completion as growers took advantage of the dry, open weather. Defoliation was active in the Low Plains, but some producers were waiting for a hard freeze. Harvest progressed rapidly on Edwards Plateau, with backlogs reported at some gins.

OTHER CROPS: Sorghum harvest was 59% complete in the 7 major producing States, only 1 point behind 1981 but 21 points slower than average. Progress was behind in all States except Colorado. Harvesting was 46 points behind average in South Dakota, 45 points in Nebraska, and 30 points in Kansas. The Texas harvest reached 87% completion, only 3 points behind normal. Warm weather provided ideal harvesting conditions in Texas where harvest was in full swing on the High Plains.

Tobacco curing, grading, and marketing continued in full swing. In Kentucky dry weather slowed crop stripping. The burley crop in this State was 18% stripped.

Peanut harvest neared completion in most areas. Harvest was virtually finished in Georgia and Virginia and reached 94% in Mississippi 91% in North Carolina, but only 50% in Texas.

FRUITS AND NUTS: Fall apple picking remained active in northern producing regions. Cool, dry weather hit Florida's citrus growing areas. Some growers were irrigating to combat dryness. New growth slowed in all areas. The early orange harvest was well advanced for this date, and grapefruit picking was active. The tangelo and tangerine harvest increased. The Texas orange harvest progressed well, but the grapefruit harvest continued at a slow pace. Arizona's citrus groves were in good condition as harvesting increased. Lemons, Navel oranges, and tangerines were picked. California's Navel orange harvest started in Kern County. Growers continued harvesting persimmons, pomegranates, and tangerines. The wine grape harvest neared completion. Producers pruned almond and walnut trees in the Sacramento Valley.

VEGETABLES: Fall vegetable harvests continued active in northern areas. Cloudy skies and scattered showers dominated vegetable growing areas in Florida until midweek when a warming trend set in. Planting continued active. Harvesting increased for snap beans, sweet corn, cucumbers, eggplant, peppers, squash, and tomatoes. Fall vegetable harvests progressed well in Texas. Lack of moisture resulted in short crops in some areas of the State. Cool weather in East Texas slowed development of warm season vegetables. Broccoli and cauliflower were harvested in moderate volume in the central coast area of California and volume increased in the San Joaquin Valley. The lettuce harvest was slow on the central coast, but at peak levels in the San Joaquin Valley. Fresh tomato picking progressed well. The processing tomato harvest was essentially over.

PASTURES AND LIVESTOCK: Pastures and ranges were in fair to good condition. Supplemental feeding became more widespread. Limited grazing was available on wheat pastures in the High Plains of Texas. Due to poor pasture conditions in Texas, culling activities were active with some producers holding fewer replacements. Livestock were in fair to good condition as movement to winter grazing continued.

CROP PROGRESS

FOR WEEK ENDING OCT 31

WINTER WHEAT
% PLANTED

	1982	1981	AVG.
CALIF	25	28	18
COLO	97	98	99
IDAHO	98	95	95
ILL	92	80	88
IND	95	80	88
KANS	99	96	95
MO	71	72	71
MONT	100	100	100
NEBR	100	100	100
OHIO	99	85	90
OKLA	80	90	90
OREG	91	95	89
S DAK	100	100	100
TEX	77	78	83
WASH	95	95	94
15 STATES	89	89	90

WINTER WHEAT
% EMERGED

	1982	1981	AVG.
CALIF	15	10	NA
COLO	91	86	89
IDAHO	78	72	72
ILL	65	62	NA
IND	75	60	65
KANS	90	90	NA
MO	57	58	58
MONT	85	85	NA
NEBR	100	100	NA
OHIO	85	60	60
OKLA	45	75	65
OREG	54	65	64
S DAK	98	100	100
TEX	46	72	66
WASH	88	79	81
15 STATES	72	78	NA
EXCL. STATES WITH NA	62	74	70

THESE 15 STATES PRODUCED 88% OF THE 1981 WINTER WHEAT CROP.

NA - NOT AVAILABLE

COTTON
% BOLLS OPENING

	1982	1981	AVG.
ALA	100	100	NA
ARIZ	100	100	100
ARK	100	99	95
CALIF	100	100	100
GA	96	97	95
LA	100	100	98
MISS	100	100	100
MO	100	100	100
N MEX	100	100	100
N C	100	99	97
OKLA	90	98	95
S C	100	100	100
TENN	100	100	88
TEX	83	78	85
14 STATES	91	88	NA
EXCL. STATES WITH NA	90	88	91

COTTON
% HARVESTED

	1982	1981	AVG.
ALA	70	69	56
ARIZ	35	35	39
ARK	78	62	68
CALIF	50	65	50
GA	57	73	64
LA	68	82	78
MISS	74	85	75
MO	96	50	72
N MEX	20	33	25
N C	52	68	59
OKLA	1	10	10
S C	72	83	76
TENN	87	57	57
TEX	26	26	38
14 STATES	41	43	47

THESE 14 STATES PRODUCED 99% OF THE 1981 COTTON CROP.

NA - NOT AVAILABLE

SOYBEANS
% HARVESTED

	1982	1981	AVG.
ALA	54	53	50
ARK	51	39	40
GA	33	38	31
ILL	95	89	93
IND	96	70	85
IOWA	85	90	93
KANS	70	60	75
KY	55	44	63
LA	62	60	71
MICH	95	55	65
MINN	74	79	90
MISS	49	49	53
MO	68	67	70
NEBR	85	90	93
N C	24	25	22
OHIO	99	70	80
S C	13	22	29
TENN	53	30	48
18 STATES	71	65	72

THESE 18 STATES PRODUCED 95% OF THE 1981 SOYBEAN CROP.

CORN
% HARVESTED

	1982	1981	AVG.
COLO	34	30	60
GA	99	98	94
ILL	81	68	74
IND	75	40	65
IOWA	45	68	70
KANS	75	65	85
KY	80	80	79
MICH	55	45	45
MINN	25	49	63
MO	70	72	73
NEBR	30	50	70
N C	95	92	94
OHIO	75	40	55
PA	40	56	52
S DAK	23	67	61
VA	79	84	78
WIS	26	27	46
17 STATES	55	58	67

THESE 17 STATES PRODUCED 93% OF THE 1981 CORN CROP.

SORGHUM
% MATURE

	1982	1981	AVG.
COLO	98	88	93
KANS	95	90	98
MO	95	91	98
NEBR	100	100	100
OKLA	98	98	95
S DAK	100	100	100
TEX	98	97	98
7 STATES	97	95	98

THESE 7 STATES PRODUCED 92% OF THE 1981 SORGHUM CROP.

SORGHUM
% HARVESTED

	1982	1981	AVG.
COLO	49	30	49
KANS	45	40	75
MO	66	59	77
NEBR	35	60	80
OKLA	45	40	55
S DAK	35	77	81
TEX	87	83	90
7 STATES	59	60	80

THESE 7 STATES PRODUCED 92% OF THE 1981 SORGHUM CROP.

State Summaries of Weather and Agriculture

These summaries provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by SRS State Offices in cooperation with the National Weather Service.

ALABAMA: Temperatures near normal. Very little rainfall.

Fieldwork: 6.0 days. Soil moisture northern half short to adequate, southern half very short to short. Soybeans: Harvested 54%, 53% 1981, 50% average. Cotton: Harvested 70%, 69% 1981, 56% average. Sorghum: Harvested 86%, 81% 1981. Wheat: Seeded 32%, 42% 1981, 63% average. Conditions: Pasture, livestock and wheat fair to good.

ARIZONA: Warm temperatures 24th, 25th gave way cooler air. Southern end low pressure system moved across State 26th, 27th. System spread showers across State except extreme southern areas. Amounts mostly under 0.25 in., over 0.50 in. Flagstaff, Grand Canyon area. Warming trend towards end of week. Average temperatures varied 3° below normal northwest to 6° above normal extreme southeast.

Cotton harvest full swing. Cooler weather continued slow down defoliation progress Maricopa County causing harvest there to be behind schedule. Statewide cotton harvest good progress, 35% acreage harvested once. The same as year ago, slightly behind average 39%. Growers indicated average crop. Bolls open 100% cotton acreage, same both year ago, average. Sorghum being harvested. Activities winding down most areas. Harvest corn for grain winding down Cochise County. Alfalfa made slow progress. Most haying activities approached normal seasonal slowdowns. Many alfalfa fields Pinal, Maricopa counties pastured by sheep. Harvest activities various stages for many fruit, vegetable crops. Southeastern areas winding down harvesting including pumpkins, lettuce. Lettuce being picked northwestern Maricopa County. Harvest begins central Maricopa County, Pinal County next week. Cauliflower, cabbage broccoli, other cool season vegetables made seasonal progress. Honeydews, cantaloups being picked Yuma, Maricopa Counties. Citrus harvest increasing. Lemons picked on demand Yuma area. Navel oranges harvested, mostly Maricopa County. Tangerine harvest very limited scale Yuma County. Citrus groves good condition. Range, pasture conditions deteriorated October

but remained generally good condition. Mid-to-higher ranges good, excellent condition with sufficient supplies browse, stock water. Lower ranges remained mostly poor, fair condition. Extreme southwestern areas poor. Cattle generally good, excellent condition higher ranges, only fair to good lower Deserts.

ARKANSAS: Temperatures averaged near normal. Widespread rainfall. Highest temperature 84°, lowest 21°. All departures from normal -3 to +3°. Most rainfall 1.64 in., least 0.03 in.

Six days suitable for fieldwork. Soil moisture adequate south, short north. Soybean condition fair; shedding leaves 94%, virtually all 1981, average 87%; mature 78%, 88% 1981, 80% average; harvested 52%, 39% 1981, 40% average. Rice virtually all harvested, same as 1981 and average. Cotton good condition; harvested 78%, 62% 1981, 68% average. Many farmers picking second time. Wheat good condition, planted 50%, 37% 1981, 53% average. Pastures slightly below normal, need rain. Cattle good condition.

CALIFORNIA: High pressure broke down to allow for two major storms to move across the State. One at the beginning and one at the end of the week. Precipitation amounts were heaviest along the North Coast and the mountains. While lightest over the southeast interior, the heaviest was 6.61 in. at Blue Canyon. Temperatures varied widely with the highest being 99° at Thermal and the lowest at Huntington Lake with 21°.

Heavy rains slowed harvest of most field crops, northern State. Rice harvest stalled. Some fields being defoliated to assist in drying. Cotton harvest increasing 50%, 65% last year, 50% average. Shredding field immediately after harvest. Dry bean harvest winding down. Some damage received to alfalfa and beans. Harvest continues on grain sorghum, field corn and sugarbeets. Small grain plantings increasing. Winter wheat 25% planted, 28% last year, 18% average, 15% emerged, 18% last year. Cutting of alfalfa continues. Zutano avocado picking began San Joaquin Valley. Harvest of persimmon, pomegranates and tangerines continued. Olive harvest continued with small fruit size in above normal value. Wine grape harvest nearing completion. Kiwifruit harvest underway, generally good quality. Navel orange harvest started in Kern County, central district. Pruning almond and walnut orchards Sacramento Valley. Weather still favoring harvest, field activites. Broccoli, cauliflower harvests moderate, Central Coast. Increasing San Joaquin Valley. Cantaloup harvest continues, Desert areas. Quality variable. Carrot harvest continues Salinas, San Joaquin Valleys. Celery harvests active, Central Coast. Honeydew, miscellaneous melon harvests continuing in Desert. White fly virus affecting some fields. Lettuce harvest slow on Central Coast. San Joaquin Valley harvest at peak. Palo Verde Valley harvest to begin next two weeks. Green pepper harvest continues, South Coast, Gilroy-Hollister areas, San Joaquin Valley. Fall potato harvest declining Tulelake-Butte Valley. Sweetpotato harvest still active San Joaquin Valley. Strawberry harvest continues, Central Coast. Fresh tomato harvest progressing Central and South Coast. Processing tomato harvest essentially over. Some fields left for harvest, Soledad-Gilroy area, if field conditions permit. Almost all processors have closed. Rains throughout State will give boost rangeland grasses. Supplemental feeding continues few areas. Sheep grazing stubble fields. Calving and lambing active. Turkeys continue to processors holiday market.

COLORADO: Most of the precipitation occurred on 26th and 27th in the mountains and western areas. Temperatures were mostly 3 to 6° above normal in eastern areas, 1 to 3° above normal in the west, and 2 to 4° below normal in the San Luis Valley.

Corn harvest remains behind normal due to high moisture content, but prospects mostly good. Winter wheat: 97% seeded, 91% emerged; last year 97% seeded, 86% emerged. Dry beans 99% cut and 93% threshed; last year 99% cut and 95% threshed. Corn 93% mature and 34% harvested; in 1981, 92% mature and 30% harvested; average 60% harvested by this date. Sorghum, poor to good condition depending on growing season moisture received; 98% mature and 49% harvested, equal to average progress. Last year, 88% mature and 30% harvested. Sorghum forage 96% harvested. Alfalfa third cutting 75% complete, fourth cutting 47%. Topsoil and subsoil moisture adequate. Five and one-half days suitable for fieldwork. Livestock in good to very good condition.

FLORIDA During the week, high pressure and a northeast flow at the surface resulted in relatively dry conditions. By early weekend however, an upper level disturbance had spread cloudiness with showers and periods of rain across nearly all of State except western tip of Panhandle. Temperatures averaged 3 to 7° below normal, northern, central areas with patches of frost, north.

Soil moisture mostly short Panhandle, adequate Peninsula; a little wet along upper East Coast. Soybean, cotton harvest full swing. Hay, peanut harvest practically complete. Sugarcane harvest gaining. Sugarcane good to excellent condition, recent cool weather beneficial. Land preparation, planting small grains progressing on schedule. Pasture good to excellent Peninsula, poor to fair Panhandle areas. Cattle good to excellent condition Peninsula, fair in Panhandle. Very little rain, coolest temperatures of season last week in citrus areas. Some growers irrigating. New growth slowed all areas. Early orange harvest well advanced for November 1. Grapefruit movement active. Tangelo and tangerine harvest increasing. A cold front in early week brought below normal temperatures, cloudy skies, scattered showers to vegetable areas. Rainfall mostly light. Weather improved as a warming trend set in at midweek. Winds light to moderate. Planting, fieldwork continues active most areas. Harvest increasing snap beans, sweet corn, cucumbers, eggplant, peppers, squash, tomatoes. Strawberry transplanting remains active Hillsborough Manatee areas. Harvest of fall watermelons continues. Quality, size mostly fair.

GEORGIA: Much colder than normal and quite dry except near coast. Average temperatures upper 40's to near 60; below normal by 6 to 10°. Rainfall early in week averaged 0.50 to 1.00 in. along coast with traces elsewhere. Weekend marked warming trend with temperatures near normal. Continued dry except 0.05 to 0.10 in. rainfall extreme south.

Soil moisture: 21% very short, 39% short, 40% adequate. Six days suitable for fieldwork. Major activities: harvesting cotton, soybeans, pecans. Planting small grains. Conditions: Cotton 2% very poor, 2% poor, 29% fair, 59% good, 8% excellent; soybeans 2% very poor, 3% poor, 42% fair, 51% good, 2% excellent; pecans 4% very poor, 8% poor, 51% fair, 35% good, 2% excellent; hay 2% very poor, 12% poor, 50% fair, 35% good, 1% excellent; pastures 2% very poor, 11% poor, 48% fair, 37% good, 2% excellent; cattle and hogs fair to mostly good. Crop progress: Corn 99% harvested, 98% last year, 94% average; cotton 96% bolls open, 97% last year, 95% average; cotton 57% harvested, 73% last year, 64% average; peanuts 100% dug, 99% last year, 99% average; peanuts 99% threshed, 98% last year, 97%

average; soybeans 95% leaves dropped, 94% last year; soybeans 33% harvested, 38% last year, 31% average; wheat 25% planted, 25% last year, 35% average; rye 63% planted, 56% last year, 51% average; other small grains 48% planted, 46% last year, 47% average; pecans 29% harvested, 20% last year, 19% average.

HAWAII: Heavy rains drenched parts of Hawaii chain. Most of the rains fell on the Islands of Kauai and Oahu. Three rivers overflowed on Kauai inundating taro and seed corn fields. Farm operations temporarily halted. Activities confined mainly to harvesting. Leafy crops on Oahu sustained heavy damage. Other Islands escaped storm with only minor damage. Vegetables: Supplies adequate. Leafy lettuce sustained heavy damage. Bananas: Rains beneficial. Production steady. Papayas: Gusty winds caused some trees to lean. Propping needed. Low-lying orchards may be affected from excessive moisture Islands of Kauai, Oahu. No visible damage at this time. Orchards in the major growing areas of Island of Hawaii escaped the storm. Heavy production forecast. Pineapples: Harvesting slow. Sugar: Harvesting curtailed on Islands of Kauai, Oahu from the heavy rains. Pastures: Generally fair to good. Rains beneficial.

IDAHO: State came under the storm track once again with heavy precipitation being recorded in many areas. Total amounts of over 0.50 in. were common. Moscow recorded the most with 1.86 in. Temperatures ranged from 2° below to 5° above normal. High of 73° in Hagerman, low of 10° in Hamer.

The cool, rainy weather delayed harvest activity. Potato harvest 98% complete, 98% last year and average. Some frost damage to potatoes reported in eastern areas. Sugarbeets 68% dug, 58% last year, 57% average. Third cutting alfalfa hay nearing completion - three weeks behind last year. Winter wheat seeding 98% complete, 95% last year and average. Emergence stood at 78%, 72% last year and average. Ranges in good condition, abundant forage.

ILLINOIS: Temperatures 1 to 5° above normal. North and central areas most above normal. Precipitation moderate, most sections 0.20 to 1.00 in.

Corn 81% harvested, 68% 1981, 74% average. Soybeans 95% harvested, 89% 1981, 93% average. Winter wheat crop 92% seeded, 80% 1981, 88% average; 65% emerged, 62% 1981, 72% average; condition 15% excellent, 68% good, and 17% fair. Sorghum 75% harvested. Intended corn and soybeans ground 32% tilled (plowed or chiseled), 24% 1981, average 37%. Pastures 4% excellent, 68% good, 26% fair, 2% poor; supplying 65% of livestock roughage, 53% average. Soil moisture 11% short, 87% adequate, 2% surplus. Days suitable for fieldwork: 6.5.

INDIANA: Fieldwork averaged 7 days. Topsoil moisture mostly short to adequate. Subsoil moisture short to adequate. Corn 75% harvested, 1981 40%, average 65%. Corn moisture 19%, 1981 25%. Soybeans 96% combined, 1981 70%, average 85%. Soybean moisture 13%. Wheat 95% seeded, 1981 80%, average 88%. Wheat 75% emerged, 1981 60%, average 65%. Wheat stands fair to mostly good. Rye 95% seeded, 1981 85%, average 85%. Pastures fair.

IOWA: A mild week. Dry northwest with moderate to heavy rainfall south and east.

Topsoil moisture: 32% surplus, 68% adequate. Subsoil moisture: 17% surplus, 83% adequate. Corn harvested: 45%, last year 68%, normal 70%. Soybeans harvested: 85%, last year 90%, normal 93%. Sorghum harvested: 45%, last year 69%, normal 76%. Fertilizer application complete: 11%, last year 19%. Total plowing completed: 12%, last year 20%, normal 24%. Fieldwork: 5.3 days suitable. Livestock in good condition.

KANSAS: Precipitation averaged traces west, 0.10 in. central, 0.40 in. to 0.90 in. east, locally 1.00 in. to nearly 2.00 in. southeast. Temperatures averaged 55° northwest, 61° northeast, 57 to 59° elsewhere; 3 to 6° above normal south, 6 to 8° above normal north.

Sorghum 95% mature, 90% last year, 98% average; 45% harvested, 40% last year, 75% average. Soybeans 70% harvested, 60% last year, 75% average. Corn 75% harvested, 65% last year, 85% average. Wheat 99% planted, 96% last year, 95% average; 90% emerged, 90% last year. Wheat condition rates good to excellent except few southern counties. Topsoil and subsoil moisture generally adequate northern third, short to adequate elsewhere. Pasture and range good to excellent except few southern counties. Fieldwork: 6.5 days suitable.

KENTUCKY: Mild and relatively dry. Temperatures remained on warm side with afternoon high temperatures averaging in 70's and overnight lows in 30's. Frost first few days week and temperatures fell into 20's at several stations. Average temperatures ranged from near normal to 5° above normal. Rainfall was light with amounts less than 0.50 in. Many areas received no rain. Rainfall for October was well below normal.

Nearly all days favorable fieldwork. Soil moisture 53% short and 47% adequate. Dry conditions have slowed burley stripping. Burley 18% stripped, last year 24%, average 21%. Rapid progress in corn and soybean harvests. Corn 80% harvest, last year 80%, average 79%. Soybeans 55% harvested, 44% last year and 63% average. Wheat seeding 60% complete, year ago 64% and average 68%. Fall seeded grains need rain. Pastures could also use rain, but in mostly good condition considering the season.

LOUISIANA: Rainfall averaged 0.50 to 1.70 in. northwest quadrant, 0 to 0.20 in. elsewhere. Temperatures 1 to 4° below normal.

Soil moisture short to adequate. Days suitable: 5.8. Rice harvested 100% 1982, 1981, and average. Cotton open bolls 100% 1982 and 1981, 98% average; harvested 68%, 82% 1981, 78% average. Soybeans harvested 62%, 60% 1981, 71% average. Sorghum harvested 99% 1982, 98% 1981, 97% average. Sweetpotatoes harvested 91%, 96% 1981, 90% average. Sugarcane planted 100% 1982 and 1981, 96% average; harvested 30%, 27% 1981, 20% average; condition good. Wheat seeded 23%, 24% 1981, 58% average; emerged 10%, 12% 1981; condition good. Pecans harvested 12%, 15% 1981, 20% average; condition poor to fair. Last cutting of hay 99%, 98% 1981, 95% average. Vegetables rated fair to good. Pastures fair to good condition. Livestock good.

MARYLAND AND DELAWARE: Temperatures averaged 2 to 4° below normal in northern and western Maryland and mostly 3 to 6° below normal elsewhere. High temperatures averaged in the high 60's to low 70's and low temperatures averaged mostly in the mid to upper 20's in western and northern Maryland to the mid 30's elsewhere. Rainfall averaged 1.22 in., ranging from light rain in western Maryland to over 3.00 in. in Snow Hill.

Maryland: Only 75% of the corn was picked, last year 90%. Soybeans had 90% shed leaves; 95% last year. Harvest of beans 40% complete, 45% last year. Small grain seeding was slowed early in the week but by week's end farmers were planting small grains in high gear. Barley planting 95% completed, equal to last year. Wheat, rye and oat plantings were 60, 85 and 90% planted, behind last year's progress of 80, 90 and 100% respectively.

Delaware: Corn was 95% picked this year and last. Soybeans were 70% harvested, well ahead of

last year's 25% rate. With barley all planted farmers concentrated on planting wheat and rye. Wheat seeded 45%; last year 65%. Rye seeding 65% complete, 50% year earlier.

Rains of the 25th and 26th slowed fieldwork to 4.5 days but were beneficial to growth and development of small grains already planted. Topsoil moisture remained adequate. Subsoil moisture was short to adequate west of the Bay and short elsewhere.

MICHIGAN: Mild, dry weather prevailed. Average temperatures were 6 to 10° above normal. Highs were from 62 to 74°. Lows were from 25 to 37°. The southern two-thirds of lower peninsula had 0.20 to 0.60 in. of rain. The rest of the State had less than 0.20 in.

Fifth straight week of fall harvest. There were 6 days suitable for fieldwork. Corn harvesting, soybean combining and soil tillage were major activities. There were many localities in southern Lower Peninsula with topsoil moisture shortages, but subsequent rains should alleviate dryness. Corn for grain harvest, 55%, 45% in 1981, 45% average. Soybean harvest, 95%, 55% in 1981, 65% average. Sugarbeet harvest, 100%, 55% in 1981, 70% average. Fruit harvests complete. Many drops in apple orchards. Holdings of apples on farms large; storage tight.

MINNESOTA: Above normal temperature and light precipitation in most areas. Temperatures averaged from the mid to upper 40's and were from 3 to 5° above normal south and 5 to 10° above normal north. Highest reported temperature was 72° at Lamberton and the coolest report temperature was 22° at Fosston and Moorhead. Precipitation under 0.25 in. except near 0.50 in. northeast and southeast. Largest reported total was 0.91 in Grand Marais.

Good drying conditions most areas let fieldwork progress much faster. Persistent showers held back progress in southeast district. Soybean harvest at full speed. Corn harvest picking up speed where soybean harvest winding down. Harvest problems due to wet spots and lodging. Topsoil moisture: 46% adequate; 54% surplus. Harvested: Field corn 25%, 1981 49%, normal 63%; soybeans 74%, 1981 79%, normal 90%; sunflowers 41%, 1981 69%, normal 84%; sugarbeets 96%, 1981 85%, normal 96%.

MISSISSIPPI: Temperatures averaged 1 to 4° below normal. Extremes: 25 and 84°. High pressure dominated for almost entire week. Rainfall light, most areas less than 0.25 in. Greatest rainfall for both 24-hour and for the week was 1.29 in.

Soil moisture adequate north and central and short to very short south. Fieldwork: 5.8 days suitable. Cotton 74% harvested, 85% last year, 75% average. Soybeans 49% harvested, 49% last year, 53% average. Rice 94% harvested, 94% last year, 96% average. Corn 93% harvested, peanuts 94%, sweetpotatoes 86%, pecans 32%. Winter wheat 32% seeded, 47% last year, 58% average; condition fair to good. Livestock condition good to fair.

MISSOURI: Temperatures averaged 2° above normal, except in the Bootheel where it averaged 3° below normal. Freezing temperatures and below were common early in the week, with the afternoon highs reaching 70°. Precipitation averaged 0.50 to 1.00 in. with locally heavier amounts. The Bootheel area, however, averaged less than 0.25 in.

Fieldwork: 5.1 days suitable. Corn 70% harvested, last year 72%, normal 73%. Grain sorghum 66% harvested, last year 59%, normal 77%. Soybeans 94% mature, last year 92%, normal 94%. Beans 68% harvested, last year 67%, normal 70%. Winter wheat seeding 71% completed, last year 72%, normal 71%. Fall plowing 38% completed, last year 37%, normal 33%. Cotton 96% harvested, last year 50%, normal 72%. Pasture condition 5% excellent, 58% good, 31% fair and 6% poor. Topsoil moisture supply 13% surplus, 67% adequate and 20% short.

MONTANA: Heavy rains midweek northeast and southeast amounts of 1.00 to 1.75 in. No precipitation north central, mostly moderate amounts elsewhere. Temperatures 1 to 4° above normal.

Topsoil and subsoil moisture adequate. Days suitable for fieldwork: 5. Harvest progress compared with last year and normal: Sugarbeets 90, 85, 90; dry beans 90, 100, 100; potatoes 100, 100, 100. Winter wheat seeded compared with last year and normal: 100, 100, 100. Winter wheat condition good; emerged 85%, the same as last year. Cattle and sheep moved from summer range 80%, slightly behind last year and 10 points behind average.

NEBRASKA: Precipitation: Very light, only extreme southeast corner received significant amounts of 0.50 to 1.00 in. Temperatures: 4 to 7° above normal.

Corn 30% harvested, 50% previous year and 70% normal. Sorghum 35%, 60% last year and 80% normal. Corn and sorghum harvest 2.5 to 3 weeks behind normal. Soybean harvest 85%, 90% a year ago and 93% normal. Winter wheat good. Pasture and range feed supplies adequate. Topsoil moisture and subsoil moisture adequate. Days suitable for fieldwork: 6.4.

NEVADA: Cool with above normal precipitation most areas. Many reporting stations received more rain this week than normally during entire month October. Snow levels generally confined to elevations above 6,500 feet. Temperature extremes 17 and mid 70's.

Alfalfa hay, onion, potato harvests finished. Heavy rains held fieldwork to minimum. Grazing conditions excellent all areas. Cattle feeding requirements minimal. Livestock good condition.

NEW ENGLAND: Temperatures were normal in north and central New Hampshire and Maine, 3 to 8° below normal elsewhere. Early week cool, gradually warmed thereafter. A very strong storm moved up the Atlantic Coast on the 25th just skirting southern New England. This gave the largest rainfall amounts of the week, 1.89 in. at Chatham, MA. The rest of the week saw a few sprinkles over extreme north portions after midweek. Showers made a good appearance on the 31st, mostly north and central areas.

NEW JERSEY: Temperatures were below normal, averaging 80° north, 52° south and 54° coastal. Extremes were 25° at Newton and 78° at Pemberton. Precipitation was above normal, averaging 1.09 in. north, 1.20 in. south and 1.30 in. coastal. The heaviest 24-hour total 1.98 in. at Long Branch on 25th to 26th.

Soil moisture adequate. Harvest of hardy late vegetables continues. Harvest of potatoes and sweetpotatoes complete. Apple and cranberry harvest in clean-up stage. Field corn and soybean harvest active. Pasture growth very limited. Fall sown grains and cover crops growing nicely.

NEW MEXICO: Average temperatures were a little below normal over the north central and northwest and slightly above normal elsewhere.

Open weather prevailed in all areas except the northwestern areas. MOderate to severe freeze damage occurred in all areas. Soil

moisture remains in an adequate to short supply. Cotton harvest proceeding actively with the crop in good condition. Alfalfa hay harvest nearly complete as a heavy frost occurred over most areas. Wheat and barley in good condition. Grazing activity occurring in some areas. Corn for grain harvest about 80% complete. Approximately 40% of the grain sorghum fields have been harvested. Red chile and lettuce harvest continuing. Peanut harvest 60% complete in the Portales area. Ranges in fair to excellent condition. Cattle and sheep in good condition.

NEW YORK: Temperatures averaged normal, but wide variations. No rain most upstate areas, conditions very dry.

Good fieldwork conditions. Grain corn harvesting active, silage corn harvest nearing completion.

NORTH CAROLINA: Temperatures: 2 to 5° below normal. Precipitation: Heavy Statewide.

Fieldwork: 3.3 days suitable. Soil moisture: 3% short, 66% adequate, and 31% surplus. Conditions: Soybeans mostly fair, cotton, sweetpotatoes and pasture mostly good. Harvest: Cotton 52%, 1981 68%, average 59%; sweetpotatoes 88%, 1981 96%, average 89%; sorghum 80%, 1981 82%, average 79%; soybeans 24%, 1981 25%; corn for grain 95%, 1981 95%, average 94%; peanuts dug 97%, 1981 99%, average 97%; peanuts threshed 91%, 1981 91%, average 92%. Phenological stages: Soybeans shedding leaves 74%, 1981 95%, average 74%. Major farm activities: Corn harvest for grain, seeding of small grains, harvest of cotton and soybeans, and cutting of fire wood.

NORTH DAKOTA: Temperatures averaged from 4° above normal north central to 9° above normal northeast and east central. Averages from 43° north central to 50° east central. Extremes: 75° central to 20° south central. Precipitation averaged from 0.14 in. below normal east central to 1.57 in. above normal southwest. Precipitation averages from 0.07 in. east central to 1.71 in. southwest.

Sugarbeet and potato harvests virtually complete. Harvest of flax and other row crops continue to be delayed by wet conditions. Sunflower and corn harvests remain quite slow and about 2 weeks behind normal with moisture content high. An average of 4.5 days were suitable for fieldwork. The percent harvested with last year and average was: Sunflower 34, 66, 73; flax 92, 97, 94; potatoes 99, 97, 99; dry beans 92, 97, 97; soybeans 81, 77, 94; corn 52, 67, 76; and sugarbeets 99, 87, 97. Soil moisture conditions well above normal. Entire State had adequate to surplus topsoil moisture. Average is 42% very short to short.

OHIO: Temperatures averaged above seasonal levels. Readings as much as 8° above normal northeast, other sections averaged 4 to 6° warmer than usual. Temperature extremes especially wide, from 20's to 70°. Precipitation widespread. Totals average 0.10 in. south to 0.33 in. north. Heaviest totals fell in narrow band from Celina to Findlay to Willard.

Indian summer provided ideal weather for fieldwork. Harvesting advanced rapidly. Farm activities included corn and soybean harvesting, tobacco stripping, plowing and disking, finishing apple picking and potato digging, filling silos, installing drainage tile and spreading fertilizer. Soybeans harvested 99%, 70% 1981, 80% average. Corn harvested 75%, 40% 1981, 55% average. Winter wheat planted 99%, 85% 1981, 90% average. Winter wheat emerged 85%, 60% 1981, 60% average. Days favorable 7. Pasture condition fair. Soil moisture 75% short, 25% adequate.

OKLAHOMA: Rainfall ranged from a trace Panhandle and west central to 1.06 northeast and 1.11 east central. Temperatures averaged from 2° below normal south central to 4° above normal Panhandle.

Wheat improved substantially in areas that received rain. Accumulations of over 1.00 in. were measured in many eastern areas. Wheat planted: 80%, 90% 1981, 90% average. Wheat emerged: 45%, 75% 1981, 65% average. Sorghum mature: 98%, 98% 1981, 95% average. Sorghum harvested: 45%, 40% 1981, 55% average. Cotton bolls opening: 90%, 98% 1981, 95% average. Cotton harvested: 1%, 10% 1981, 10% average. Days suitable for fieldwork: 6.4.

OREGON: Temperatures 4 to 5° above normal, 8° above in southeastern. Coastal rains averaged 4.00 in. Willamette Valley and north central averaged 2.30 in. Northern Cascades had 5.50 in. Up to 1.00 in. elsewhere.

Rain slowed fieldwork. Winter wheat 91% seeded; 95% last year, 89% average. Winter wheat emerged 54%; 65% last year; 64% average. Spraying and fertilizing in progress. Stubble fields being tilled for cheatgrass. Field corn and sugarbeet harvest slowed. Fruit tree harvest over. Grape and cranberry harvest continuing. Filberts about over; walnuts underway. Potato harvest in final stages. Harvesting cole and root crops continuing. Livestock condition good. Range and pastures good to excellent.

PENNSYLVANIA: Fine fall weather with lots of sunshine 26th through 31st. Coastal storms produced cloudiness and rain 25th into early 26th with amounts of 0.50 in. to 1.50 in. southeast tapering off to less than 0.10 in. elsewhere. Temperatures reached normal fast and 2 to 4° above normal west. Extremes: 74 and 17°.

PUERTO RICO: Island average rainfall 0.92 in. or 0.84 in. below normal. Highest total 2.96 in. Highest 24 hour total 2.90 in. Temperatures averaged about 81 to 80° on Coasts and 74 to 71° Interior Divisions. Extremes: 95 and 55°.

SOUTH CAROLINA: Weather cooler than usual, temperatures 10 to 15° below normal. First frost occurred the 26th. Rainfall along northeast coast.

Soil moisture adequate. Fieldwork: 5 days suitable. Cotton harvested at 72%, compared to 83 last year, 76 average. Good to excellent condition and yields. Early soybean yields disappointing; shedding leaves 82%, 94 last year, 87 average; 48% mature, 77 last year, 56 average; percent harvested at 13, compared to 22 a year ago and 29 average. Condition fair. Winter grazing, good condition 88% planted, 62 last year, 78 average; 70% emerged, 43 last year, 61 average. Recent showers good for small grains. Fall vegetables harvested at good rate. Snap beans 90% complete, compared to 62 last year, and 68 average. Cucumbers 84% harvested, 83 last year, 84 average.

SOUTH DAKOTA: Temperatures averaged 3 to 5° above normal. Extremes: 76 and 20°. Precipitation fell mostly in northwest, north central and central areas. Parts of extreme northwest received 2.50 plus. North central and central received 0.60 in. and more.

Topsoil moisture still surplus in much of east central and south central. Parts of central and southeast also surplus. Adequate elsewhere. Reports 1% short, 62% adequate, 37% surplus. Subsoil moisture still short in parts of north central and northeast. Adequate elsewhere, except 2 small areas of surplus in southeast quarter. Reports 1% critically short, 7% short, 79% adequate, 13% sur-

plus. Four days suitable. Soybean harvest 17 days behind normal, corn 21 days behind, sorghum grain 20 days, sunflowers 17 days. Winter grains in good to excellent condition. Corn for grain harvested 23%, 1981 67%, average 71%. Sorghum for grain harvested 35%, 1981 77%, average 81%. Soybeans harvested 62%, 1981 87%, average 93%. Sunflowers harvested 39%, 1981 82%, average 82%. Winter wheat emerged 98%, 1981 100%, average 100%. Winter rye emerged 100%, 1981 100%, average 100%.

TENNESSEE: Fieldwork available on 5.4 days. Soil moisture levels 69% adequate, 30% short, 1% surplus. Soybeans mature 99%, 1981 100%, average 87%; harvested 53%, 1981 30%, average 48%. Cotton picked 87%, 1981 57%, average 57%. Corn harvested 80%, 1981 74%, average 66%. Burley stripped 45%, 1981 50%, average 44%. Oats sown 85%, 1981 87%, average 87%. Wheat sown 58%, 1981 58%, average 69%. Pastures mostly fair. Livestock good.

TEXAS: High pressure dome brought sunny, dry conditions early week with only few scattered showers Panhandle late on 27th. Showers and thunderstorms preceded cold front as traveled across 28th. Front stationary 29th, producing light, widespread precipitation. Front moved North Texas 30th, strong southerly winds bringing low clouds, warm temperatures. Temperatures near normal first half week and much above normal late week. Precipitation near normal east and southeast, below normal elsewhere.

Crops: High winds Panhandle deplete moisture supplies, wheat prospects poor most areas. Dry, open weather ideal cotton and sorghum harvest, both good progress. Cotton defoliation active some areas, most producers waiting hard freeze. Cotton open rapidly across High Plains following recent frost, harvest good progress many areas. Dry, open weather helping harvesting operations. Defoliation active Low Plains, some producers waiting hard freeze. Harvest progressing well Edwards Plateau, backlogs some gins. Condition across State 59% of normal with 3% excellent; 21% good; 55% fair; and 21% poor. This compares with 79% of normal last year. Sorghum harvest full swing High Plains, above average yields some areas. The continued warm weather ideal most harvesting operations. Storage shortages problem some areas. Short moisture conditions hamper most small grain development across State. High winds and short moisture supplies slowing wheat planting across Panhandle. Most wheat pastures throughout areas need rain, only limited grazing available scattered locations. Replanting necessary some areas Low Plains, since emerged wheat fields died from lack of moisture. Scattered showers Central and East Texas relief, welcome heavy rain. Armyworms problem Central and South Texas. Irrigated oats good progress Edwards Plateau. Statewide wheat condition was 61% of normal with 5% excellent; 30% good; 40% fair; 23% poor; and 2% failure. This compares with 88% of normal last year. Dryland peanut fields baled hay Cross-Timbers. Harvest active irrigated fields, yields erratic. Cool nights slowed maturity South Texas, showers delayed harvest some areas. Soybean harvest gaining momentum along Coast, prospects remain poor. Rains interrupted operations some areas. Harvest second crop rice almost complete, yields above normal. Birds problem some fields. Sugarcane harvest active, yields good. Cotton open bolls 83%, 78% 1981, 88% average. Cotton harvested 26%, 26% 1981, 38% average. Sorghum mature 98%, 97% 1981, 98% average. Sorghum harvested for grain 87%, 83% 1981, 90% average. Wheat planted 77%, 78% 1981, 83% average. Wheat emerged 46%, 72% 1981, 66% average. Corn for grain harvested 100%, 96% 1981, 98% average. Peanuts harvested 50%, 43% 1981, 68% average. Soybeans harvested 38%, 31% 1981, 63% average. Sugarbeets harvested 54%, 22% 1981, 32% average. Pecans harvested 14%, 12% 1981, 11% average. Sunflowers harvested 74%, 59% 1981, 77% average. Oats planted 63%, 73% 1981, 78% average.

Commercial vegetables: Lower Rio Grande Valley, most fall vegetables good progress, little insect and disease problems. Cucumbers move to market. Orange harvest good progress, while grapefruit harvest continues slow pace. Grapefruit yield prospects remain good, despite some small sizing. Coastal Bend, shipment early cucumbers active. The dryland cucumber crop short because lack of moisture. San Antonio-Winter Garden, vegetable harvest full swing. Few cucumbers still available. East Texas, cool weather slowed development warm-season vegetables. Fall plantings good progress. Trans-Pecos, onion planting active around El Paso. Lettuce and bell pepper harvest good progress. Plains, recent cold weather virtually ended all vegetable activity. Pecan harvest gaining momentum, although crop remains light most areas. Trans-Pecos, both yield and quality above normal. Some harvested nuts high in moisture and will be dried before marketing.

Range and pasture: Scattered showers across State helped winter pastures "green up", although moisture supplies low most areas and forage growth poor. Cool nights in South and South Central Texas slowing grass development, ranges slow in recovering even after recent rains. Wheat pastures High Plains furnishing limited grazing. Because poor pasture condition, culling activities active, some producers holding few replacements. Supplemental feeding active.

UTAH: Recurring periods of precipitation. Accumulated amounts moderate to heavy. Average temperatures ranged from 3° below normal to 5° above normal.

Harvest cleanup again slowed by damp weather. Onion and corn silage harvest virtually complete. Few apples still on trees; marketing sorting and processing of potatoes, apples, and onions in progress. Winter wheat seeding winding down. Livestock and range feed remain in excellent condition.

VIRGINIA: A vigorous storm system moved through the eastern part of State 27th causing high winds and heavy rains. Rainfall in excess of 3.00 in. was reported. The exception was extreme southwest where amounts were less than 1.00 in. A warming trend took place latter half of week. However averages still were 5 to 10° below weekly normal. Extremes: Low 20's to low 80's. Cool temperatures and moderate to heavy rains were common in all areas except southwest where rains were light and the coastal region where strong winds and heavy rains were reported.

Some wind damage was reported to corn and soybeans. This reduced the average days suitable for fieldwork to 3.8 with topsoil moisture improving to 12% short, 76% adequate and 12% surplus. Corn for grain, 79% harvested, 84% 1981 and 78% average. Yields reported good. Harvest 29% complete, 33% 1981 and 25% average. Peanuts all dug, same as 1981 but ahead of the 88% average. Combining virtually complete, 96% 1981 and 80% average. Wheat seeded 54% complete, 56% 1981 and 48% average. Barley 85% seeded compared to 83% in 1981 and 74% average. Oats 92% seeded, 92% 1981 and 84% average. Apple picking about 88% complete. Grain sorghum harvest 25% complete, 38% 1981 and 28% average. Cotton 54% picked, 0% for 1981 and 54% for the average. Pastures improving but supplemental feeding still necessary. Feeder market activity slowing. Cull cow and ewe marketing continues. Tobacco curing, grading and marketing continues. Yields reported good to excellent. Soybeans in good condition with yields reported good.

WYOMING: Temperatures above normal with warmest in east half. Central and northeast above average precipitation with greatest amounts in Big Horn Basin. In extreme west and southeast most stations below normal.

Topsoil moisture adequate. Average 5 days suitable fieldwork. Most winter wheat up to stand, good condition most areas. Harvest slowed many areas by rain, snow. Potatoes harvested 90%. Sugarbeets harvested 85%. Normally potato, sugarbeet harvest complete. Dry beans, 95% windrowed, 80% combined. Normally harvest complete at this time. Corn for grain 80% mature, 15% harvested. Normally 55% harvested. Livestock good to excellent condition but some stress. Hay supplies adequate most areas, ranchers pregnancy testing, marketing, weaning calves.

(continued on back cover)

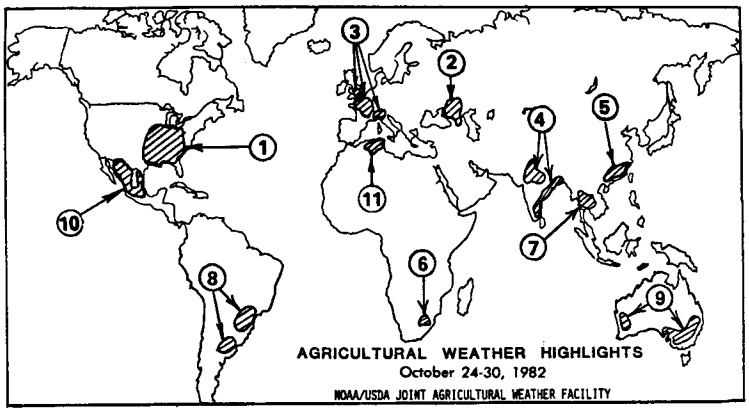
HEATING DEGREE DAYS (BASE 65°) FOR WEEK ENDING OCT. 31, 1982.

* BASED ON 1941-70 NORMALS. + ACCUMULATION FROM JULY 1, 1982.

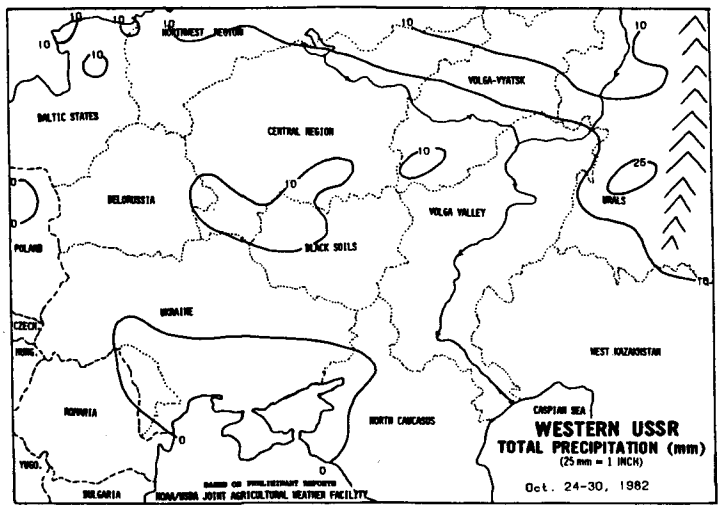
STATES AND STATIONS	WEEKLY		SEASONAL ACCUMULATION +		
	TOTAL	DEPARTURE*	TOTAL	DEPARTURE*	DEPARTURE FROM 1981-82
ALA. BIRMINGHAM	47	-4	147	4	-41
MOBILE	29	8	68	29	5
MONTGOMERY	37	-1	67	-26	-80
ARIZ. FLAGSTAFF	171	13	1039	105	346
PHOENIX	1	-11	1	-16	-11
TUCSON	14	-4	39	10	-27
WINSLOW	100	7	408	137	40
YUMA	0	0	18	18	16
ARK. FORT SMITH	55	1	216	81	9
LITTLE ROCK	30	-26	146	-2	-54
CALIF. BAKERSFIELD	26	-1	28	-27	-10
EUREKA	67	-15	777	-322	-330
FRESNO	41	2	71	-19	2
LOS ANGELES	3	-20	3	-129	-28
RED BLUFF	59	22	108	26	18
SAN DIEGO	1	-14	1	-64	-5
SAN FRANCISCO	47	4	324	-56	-80
STOCKTON	60	20	115	27	3
COLO. DENVER	121	-6	661	133	215
GRAND JUNCTION	104	-7	456	72	74
PUEBLO	85	-29	451	61	22
CONN. BRIDGEPORT	103	19	443	140	105
HARTFORD	121	5	549	47	1
DEL. WILMINGTON	87	1	330	44	-12
D.C. WASHINGTON	55	-13	208	4	15
FLA. APALACHICOLA	20	6	31	9	0
DAYTONA BEACH	17	17	23	23	12
FORT MYERS	2	2	2	2	2
JACKSONVILLE	29	16	50	31	24
KEY WEST	0	0	0	0	0
LAKELAND	8	8	14	14	13
MIAMI	0	0	0	0	0
ORLANDO	9	9	15	15	14
TALLAHASSEE	32	14	57	26	2
TAMPA	8	8	13	13	12
WEST PALM BEACH	0	0	0	0	0
GA. ATLANTA	47	-5	164	19	-8
AUGUSTA	62	20	132	28	-21
MACON	46	12	90	8	9
SAVANNAH	35	8	74	14	2
IDAHO. BOISE	132	7	626	81	72
LEWISTON	115	-12	551	1	41
POCATELLO	153	1	853	126	33
ILL. CAIRO	48	-14	234	66	-20
CHICAGO	83	-34	549	70	-36
MOLINE	72	-42	454	20	-127
PEORIA	69	-41	432	27	-103
ROCKFORD	86	-39	528	9	-112
SPRINGFIELD	77	-21	416	78	-28
IND. EVANSVILLE	65	-19	282	12	-71
FORT WAYNE	87	-28	498	33	-20
INDIANAPOLIS	91	-11	438	68	-45
SOUTH BEND	81	-36	498	0	-14
IOWA. BURLINGTON	67	-42	414	16	-138
DES MOINES	69	-49	445	-12	-105
DUBUQUE	89	-45	561	-33	-82
SIOUX CITY	79	-46	516	15	-108
KANS. CONCORDIA	65	-32	393	45	32
DODGE CITY	47	-44	250	-38	-33
GOODLAND	93	-31	497	2	32
TOPEKA	54	-37	388	74	-21
WICHITA	48	-31	276	33	9
KY. LEXINGTON	71	-15	338	52	-43
LOUISVILLE	72	-13	305	29	-16
LA. BATON ROUGE	22	-2	51	-3	-45
LAKE CHARLES	16	-2	46	10	-33
NEW ORLEANS	20	1	31	-9	-4
SHREVEPORT	29	-2	128	58	-3
MAINE. CARIBOU	131	-47	1175	-15	-102
PORTLAND	125	-13	812	37	43
MD. BALTIMORE	81	-3	333	56	2
MASS. BOSTON	83	-10	438	53	-28
MICH. ALPENA	108	-46	870	-129	-70
DETROIT	93	-25	581	81	-107
FLINT	90	-40	617	-13	-178
GRAND RAPIDS	89	-38	547	-11	-160
HOUGHTON LAKE	108	-47	862	-78	-157
LANSING	93	-36	610	17	-138
MARQUETTE	127	-53	1203	24	-92
MUSKEGON	100	-27	657	47	-95
S. STE. MARIE	124	-41	1254	159	-84
MINN. DULUTH	130	-48	1169	69	-103
INTERNATL FALLS	124	-70	1142	-67	-103
MINNEAPOLIS	108	-41	630	-47	-187
ROCHESTER	114	-36	696	-30	-155
ST. CLOUD	124	-40	835	13	-127
MISS. JACKSON	42	4	139	48	-19
MERIDIAN	35	-8	87	-24	-56
MO. COLUMBIA	69	-18	388	99	-36
KANSAS CITY	60	-33	387	78	-23
ST. LOUIS	63	-19	311	52	-24
SPRINGFIELD	60	-21	333	62	2
MONT. BILLINGS	135	-10	674	-59	60
GLASGOW	148	-26	926	41	93
GREAT FALLS	150	-3	999	155	144
HAVRE	144	-26	931	39	-2
HELENA	171	-3	967	-38	17
KALISPELL	186	-5	1281	25	103
MILES CITY	143	-12	788	38	86
MISSOULA	162	-18	995	-64	-23
NEBR. GRAND ISLAND	78	-41	540	70	47
LINCOLN	70	-42	411	-1	-71
NORFOLK	80	-49	540	9	-34
NORTH PLATTE	107	-31	671	76	67
OMAHA	61	-44	420	42	-182
VALENTINE	104	-42	718	76	56
NEV. ELY	185	18	1081	142	165
LAS VEGAS	48	11	91	17	9
RENO	142	10	840	149	283
WINNEMUCCA	165	17	912	147	271
N.H. CONCORD	132	-7	803	73	-99
N.J. ATLANTIC CITY	86	0	399	102	-39
TRENTON	77	-7	339	48	-11
N.MEX. ALBUQUERQUE	88	2	334	109	-7
ROSWELL	41	-32	188	-24	-65
N.Y. ALBANY	103	-22	686	92	0
BINGHAMTON	97	-36	689	0	-89
BUFFALO	98	-27	594	-5	-34
NEW YORK	67	-10	303	49	-13
ROCHESTER	103	-16	553	-7	-54
SYRACUSE	110	-7	678	141	59
N.C. ASHEVILLE	108	21	354	35	2
CHARLOTTE	73	17	211	49	-45
GREENSBORO	90	18	301	68	-8
HATTERAS	33	2	85	9	-47
RALEIGH	70	6	198	0	-43
WILMINGTON	57	25	142	62	14
N.DAK. BISMARCK	131	-39	993	124	124
FARGO	114	-56	920	82	-81
WILLISTON	145	-34	955	26	110
OHIO. AKRON-CANTON	80	-35	488	-4	-95
CINCINNATI	70	-23	304	-11	-190
CLEVELAND	81	-30	472	-9	-151
COLUMBUS	83	-26	438	12	-43
DAYTON	81	-22	436	59	-95
TOLEDO	97	-22	592	96	-84
YOUNGSTOWN	75	-44	550	14	-166
OKLA. OKLAHOMA CITY	38	-21	170	10	-33
TULSA	32	-25	169	16	-16
OREG. ASTORIA	80	-24	699	-194	-119
BURNS	176	19	1152	279	69
MEDFORD	121	10	432	-49	53
PENDLETON	122	1	618	118	55
PORTLAND	86	-18	408	-162	20
SALEM	100	-8	526	-56	-51
PA. ALLENTOWN	95	-12	453	18	101
ERIE	87	-36	489	-134	-153
HARRISBURG	83	-14	372	28	-96
PHILADELPHIA	77	-7	322	35	-20
PITTSBURGH	93	-21	493	-7	-36
SCRANTON	101	-17	578	40	29
R.I. PROVIDENCE	94	-12	476	23	-110
S.C. CHARLESTON	40	9	102	28	22
COLUMBIA	77	34	181	69	-11
GREENVILLE	70	16	203	49	-70
S.DAK. ABERDEEN	117	-46	769	4	-49
HURON	114	-38	677	4	-81
RAPID CITY	125	-20	790	95	117
SIOUX FALLS	109	-38	711	53	-63
TENN. CHATTANOOGA	75	8	236	45	-34
KNOXVILLE	88	24	260	75	-47
MEMPHIS	39	-15	153	4	2
NASHVILLE	59	-8	224	34	-44
TEXAS. ABILENE	13	-25	107	18	-25
AMARILLO	46	-31	277	51	-38
AUSTIN	12	-8	37	-2	-32
BEAUMONT	10	-8	50	15	-20
BROWNSVILLE	0	-1	0	-1	-34
CORPUS CHRISTI	2	-5	10	3	-33
DEL RIO	6	-11	20	-14	-31
EL PASO	27	-17	87	-5	-118
FORT WORTH	25	-4	95	35	-22
GALVESTON	3	-4	23	11	-20
HOUSTON	16	2	53	29	-14
LUBBOCK	34	-29	189	19	-22
MIDLAND	16	-23	128	47	-65
SAN ANGELO	26	-7	105	32	-1
SAN ANTONIO	14	-3	50	18	-12
VICTORIA	5	-4	21	6	-38
WACO	20	-5	73	22	-27
WICHITA FALLS	26	-15	119	27	-52
UTAH SALT LAKE CITY	127	1	633	121	187
VT. BURLINGTON	114	-28	670	-92	-194
VA. LYNCHBURG	68	-11	259	-8	-81
NORFOLK	65	13	188	38	-4
RICHMOND	69	1	232	8	-49
ROANOKE	82	1	336	69	5
WASH. QUILLAYUTE	113	-7	1043	-35	-4
SEATTLE-TACOMA	104	-9	631	-98	-40
SPOKANE	156	-1	832	35	-2
WALLA WALLA	98	-12	467	48	24
YAKIMA	132	-7	705	39	130
W.VA. BECKLEY	102	-12	544	18	11
CHARLESTON	80	-8	344	31	-45
HUNTINGTON	73	-15	378	67	4
PARKERSBURG	65	-24	260	-54	-171
WIS. GREEN BAY	117	-30	814	57	-58
LACROSSE	103	-32	620	48	-102
MADISON	109	-36	741	41	-101
MILWAUKEE	79	-56	594	-37	-153
WYO. CASPER	139	-20	871	76	85
CHEYENNE	133	-21	902	94	152
LANDER	150	-19	962	150	203
SHERIDAN	140	-18	808	-29	6

International Weather and Crop Summary

October 24-30

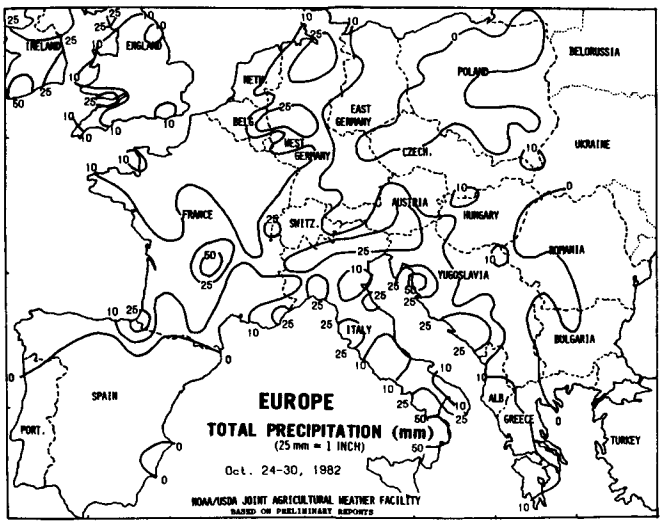


1. UNITED STATES: Generally sunny, drying weather over most of the Corn Belt into the South favored harvesting and fieldwork. Rains across eastern parts of the southern and central Plains benefit some winter wheat.
2. WESTERN USSR: Chronic dryness continues to cover winter grains in the North Caucasus and southern Volga Valley; spotty emergence likely.
3. EUROPE: Dry weather releives a period of prolonged wetness in France, England, and northern Italy, benefiting winter grains.
4. SOUTH ASIA: Light showers fall in some winter grain areas, but topsoil moisture conditions for planting still remain unfavorably low; moisture supplies for winter rice crop appear adequate.
5. EASTERN ASIA: Wet weather delays the rice harvest in the south.
6. SOUTH AFRICA: Generally light showers moisten topsoils somewhat for corn planting, but additional rains needed.
7. SOUTHEAST ASIA: Showers benefit rice and reservoirs in Thailand; monsoon rains still less than average further south.
8. SOUTH AMERICA: Drier weather in southern Brazil improves conditions for wheat harvest and summer crop planting; mostly dry weather in Argentina with favorable moisture supplies for crop planting.
9. AUSTRALIA: Above-average temperatures and mostly dry weather cause further pessimism for agriculture in the east and south; favorable conditions for wheat in the west.
10. MEXICO: Seasonal sunny conditions allow harvesting and planting of crops but keep northern rangelands brown from lack of moisture.
11. NORTHWEST AFRICA: Showers benefit winter grain areas of eastern Algeria and northern Tunisia; planting begins.

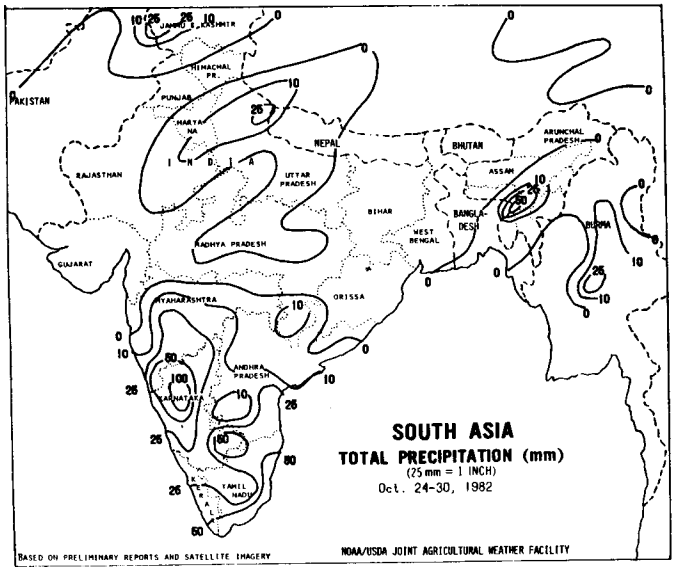


WESTERN USSR: Mostly dry weather covered the Ukraine. Winter grains continued to add more growth before winter dormancy. Unfavorably dry weather continued in the North Caucasus and southern Volga Valley--a pattern which has persisted for about 2 months. Planting prospects have been reduced in these areas with spotty emergence likely. Those grains which have emerged are being further stressed by adversely dry conditions. Light showers covered the remainder of the region, favoring winter grains. Weekly temperatures were above normal in the west and near normal in the east.

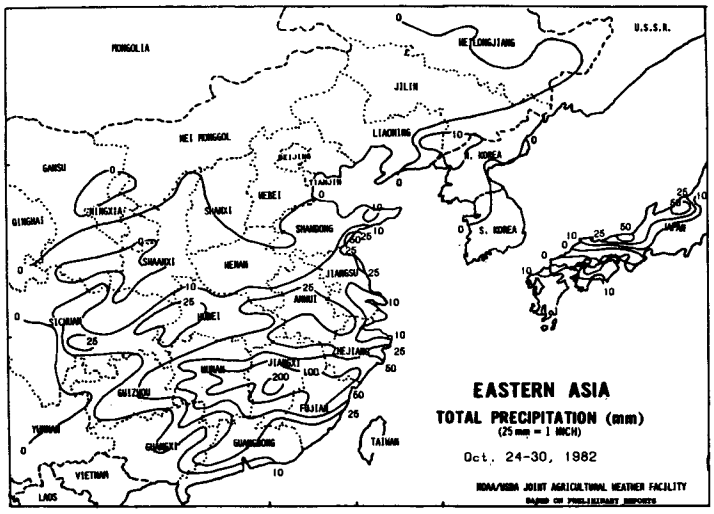
In South Central USSR, abnormally cold air accompanied by light snow covered most cotton areas. The cotton harvest normally does not end until late November, and some quality reductions are possible if the damp, cold weather continues. Warm, dry weather is needed for drying and will aid harvest efforts.



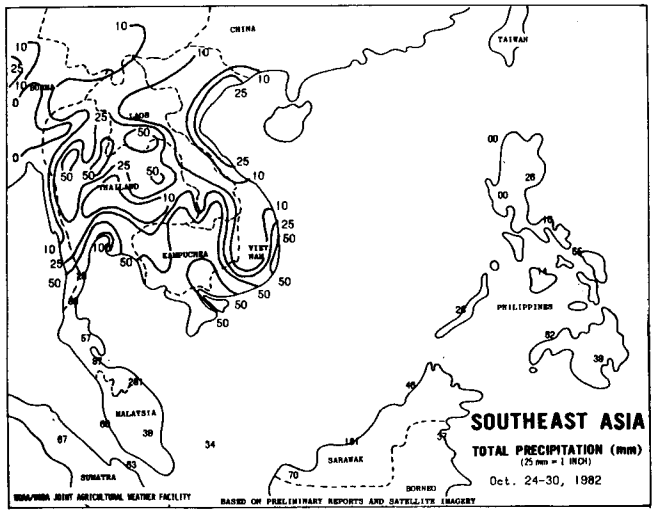
EUROPE: Light showers fell on England, France, and northern Italy early in the week, followed by beneficially dry weather. The dry, cool weather should allow final winter wheat planting efforts to take place, and will allow topsoils to slowly dry out, reducing the potential for seed rot. Dry weather returned to central and eastern Spain, allowing water in streams to recede from the localized flooding of last week. Showers benefited winter grains in West Germany and parts of East Germany, but Poland continued dry. Light showers dotted most of the southeast, and topsoil moisture supplies are becoming short for early growth of winter grains. Weekly temperatures were near to above normal over most of the region.



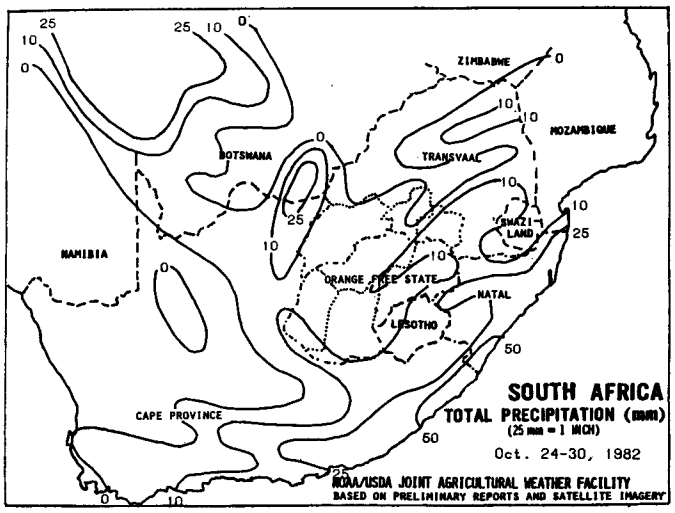
SOUTH ASIA: Light, scattered showers fell over the major winter grain areas of Punjab, Haryana, Uttar Pradesh, and Madhya Pradesh. Planting conditions still remain unfavorable due to the early withdrawal of the summer monsoon. Autumn and winter are the normal dry seasons for these areas, but westerly disturbances, like the one which produced light rain this past week, can produce beneficial showers. The winter grain crop this year will rely heavily on showers produced by these westerly disturbances to maintain favorable crop prospects. Wet weather in south peninsula India favored crops such as winter rice and cotton. A dry weather pattern returned to the winter rice areas further north. Yield prospects for the winter rice crop appear good.



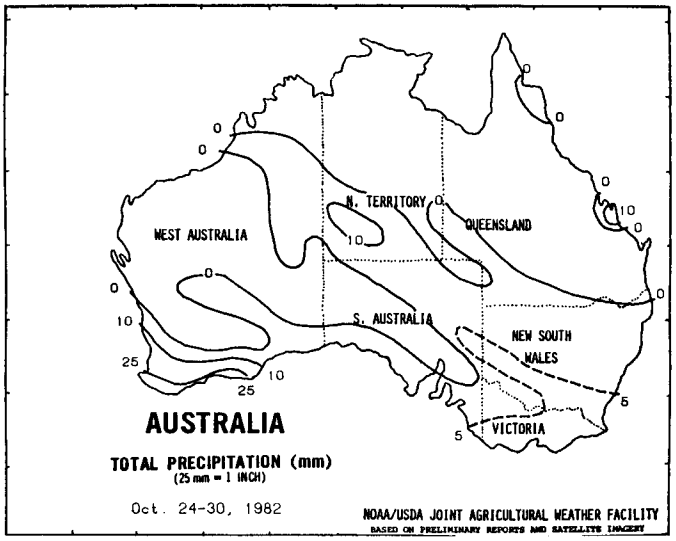
EASTERN ASIA: Wet weather continued along and south of the Yangtze River. Precipitation amounts generally ranged from 25 to 50 mm, but rainfall amounts were as high as 210 mm at one station in Jiangxi. Delays in the late rice harvest were likely in wettest areas. Beneficial showers fell on winter grain areas of Hubei and Anhui, but the major winter grain areas of Henan, Hebei, and western Shandong continued dry. The continued dry weather has allowed an increased sowing pace and winter grain planting should be nearly complete. Topsoil moisture supplies in these dry areas, however, are becoming unfavorably low. In South Korea, dry weather continued and additional rain is needed for winter grains. Weekly temperatures allowed the continued growth of grains.



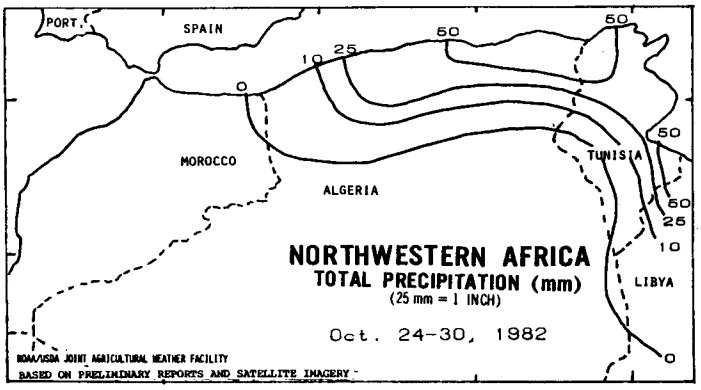
SOUTHEAST ASIA: The highly variable shower pattern continued over Southeast Asia. Significant weekly rainfall covered a large portion of Thailand, improving some reservoir levels in the northern highlands, aiding rice development in eastern crop areas and in the vicinity of Bangkok, and providing needed moisture for crops in western areas. Peninsula Thailand also benefited from shower activity, but rainfall amounts were below average. Monsoon rains increased over Malaysia and Indonesia, benefiting early rice development, but these areas need frequent showers to improve moisture supplies for the crop. Satellite imagery indicated an area of widespread showers over Kampuchea but mostly light rainfall over Laos and most inland areas of Vietnam.



SOUTH AFRICA: Light showers fell throughout the Maize Triangle region, but weekly rainfall totals were generally below-average. The most significant rainfall occurred in the easternmost portion of the major corn-producing region benefiting sowing of the early crop. Following the exceptionally dry winter, most corn-growing areas of South Africa and adjacent countries also need substantial rains to replenish soil moisture supplies for planting, emergence, and growth of summer crops. The major South African corn areas of the Orange Free State and the Transvaal generally received less than 10 mm of rain for the week. Frequent, follow-up rains during the next few weeks are essential to ensure the establishment of the corn crop.



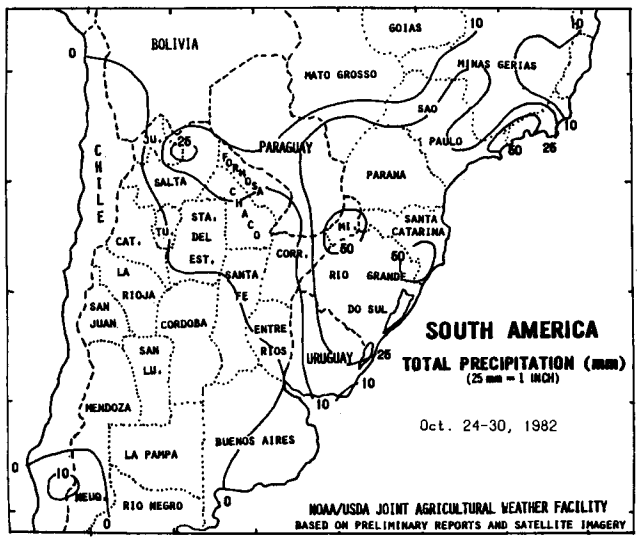
AUSTRALIA: Above-average summerlike temperatures baked the parched agricultural lands of eastern Australia. Light showers, falling over some drought-stricken areas, benefited severely-stressed crops little as the hot weather increased the potential rate of evaporation. Harvesting of the severely stunted wheat and barley crops will make rapid progress with the warm, dry weather. However, the extremely dry conditions now pose a serious problem for planting summer crops such as sorghum and cotton in the east. Showers and favorable temperatures for wheat in the filling period provide an optimistic prospect for the crop in Western Australia.



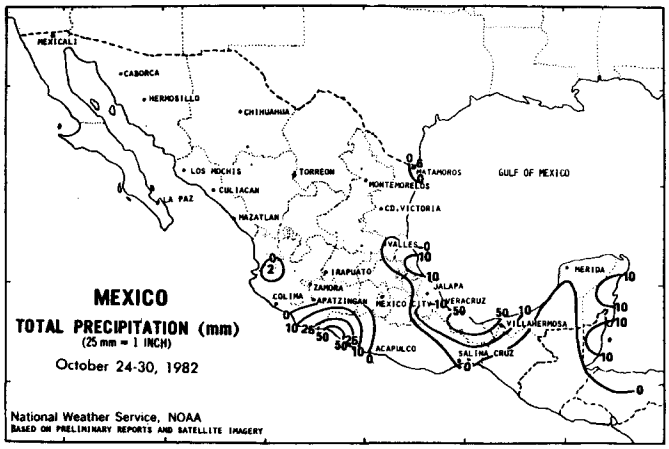
NORTHWEST AFRICA: Mostly dry weather returned to winter grain areas in Morocco and western Algeria. Wet weather covered winter grain areas in eastern Algeria and northern Tunisia with precipitation amounts ranging from 25-50 mm. The continued above-normal rainy pattern in these areas should allow sowing of winter grains. Temperatures averaged mostly below normal over the region during the week.

National Weather Summary (continued from front cover)

SATURDAY . . .A few thunderstorms developed through the lower Mississippi Valley, and showers reached into the middle Mississippi Valley, the Ohio Valley, and to western New York. Much of the Corn Belt, from Missouri through Ohio, had showery weather. Showers spread over most of California, across Nevada and Utah to western Colorado, and from Idaho through Wyoming. Cool weather covered most of the Nation. Only the South and the east coast reached near-normal high temperatures.



SOUTH AMERICA: Drier weather, relative to the downpours of last week, benefited the crop areas of southern Brazil. The wheat harvest picked up again following several days of dry weather in Rio Grande do Sul. Moisture supplies remain favorable for soybean planting in Parana and surrounding states. Showers in Sao Paulo and Minas Gerais also aided vegetative growth and flowering of citrus and coffee trees. Weekly temperatures generally averaged somewhat above normal in Brazil and near normal in Argentina. Most crop areas of Argentina were dry, except for some light showers in northern cotton areas. Moisture conditions remain generally favorable for wheat in the late grain-filling period and for the planting of corn, soybeans, sunflowers, and other crops.



MEXICO: Seasonal sunny, dry weather over most crop production areas generally favored agriculture. The dryness allowed harvesting of sugarcane, citrus, and summer crops and planting and cultivating of fall and winter vegetables. However, rain is still needed over much of the north with its drought-stricken pastures and rangelands. Cool weather systems with light rain generally start moving across the north in another month or two, offering some help for rangelands and livestock. Rainfall was unusually light this week over the south as the tropical rainy season essentially ends.

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WEEKLY NEWS BULLETIN

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210

State Summaries (continued from p. 16)

WASHINGTON: State lay under a very moist warm air flow of subtropical air. Frontal system caught in this air flow spread heavier than normal amounts of precipitation on both sides of the Cascades. The week started with well above normal temperatures. By midweek, temperatures fell sharply to near normal and remained that way.

West: Silage corn and potato harvests continue. Pruning and tying of caneberries continue. Carrot and celery harvests continue. Livestock in good condition. Dairymen continue to green chop. Hay supplies adequate.

East: Fall planting of winter wheat and barley continued. Some reseeding took place due to crusting and cheatgrass infestation. Field corn and potato harvests continued. Most of the apple crop has been harvested. Grape harvest also near completion. Some onions still left to be harvested. Livestock in good condition and being moved off mountain ranges. Fall and winter ranges in good shape. Hay supplies adequate. Winter wheat planted 95%, 95% 1981, 94% average. Winter wheat emerged 88%, 79% 1981, 81% average.

WEST VIRGINIA: Temperatures below normal. High 74, low 22°. Precipitation near normal in south and northeast, below normal elsewhere.

Soil moisture adequate to short. Days worked averaged 5.2. Fall seeding: Wheat 93% complete, barley 92% complete. Corn: 33% mature, 67% harvested. Pasture in fair to poor condition.

WISCONSIN: A pleasant taste of milo Indian summer weather this past week. Temperatures averaged 5° above normal and ranged from a pleasant 68° in Milwaukee on the 29th to a much cooler 28° in Madison on the 28th and in Grandmother Falls (Lincoln County) on the 26th. Precipitation was quite variable. Most districts reported precipitation totals of 0.50 in. or less.

Fieldwork: 6 days suitable. Mild temperatures enabled farmers to progress with the corn grain harvest which was 26% complete, 27% 1981, 46% average. Some good yields have been reported. The corn silage harvest progressed and was 80% complete, 93% 1981, 99% average. Corn silage yields also appear to be very good. Many farmers were harvesting corn stalks for use as bedding. Fall plowing has been made easier by adequate moisture supplies and was 19% complete, 26% 1981, 30% average. Soybean harvest continuing and was now 56% complete, 33% 1981, 58% average. Good weather enabled some farmers to make hay. Late season pastures remain good and rated at 87% of normal, 93% 1981, 79% average. Late season apples were being picked. Topsoil moisture supplies were rated 1% short, 69% adequate, and 40% surplus. Excessive moisture supplies continue to plague farmers in north. North central district respondents rated moisture supplies 100% surplus. Field conditions in the district have been very poor for any kind of harvesting activity.

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Ray McInturff Wes Byrd
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