

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

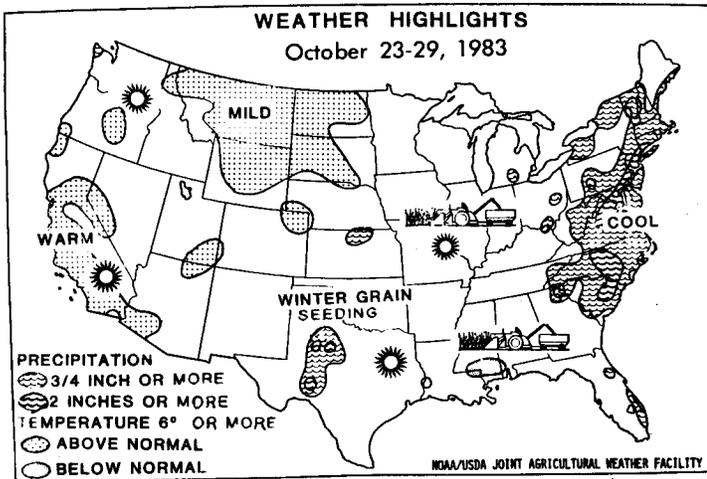
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Nov. 1, 1983

National Weather Summary

October 23 to 29



in southern Florida. A new cold front moved to a line from Wisconsin to New Mexico and triggered light showers along and behind the front. Some isolated moderate showers fell in western Texas, and light showers fell in Arizona and New Mexico.

TUESDAY...Cooler air moved over the north-central States. Early morning temperatures were below freezing in the northern Plains, the Rockies, and the central Plateau. Another low-pressure system moved northward in the Atlantic, from off the Virginia Coast. Intermittent light rain fell in the mid-Atlantic States to New York and through the upper Ohio Valley. A few showers fell in western Texas, southern Arizona, and New Mexico.

WEDNESDAY...Light, intermittent rain continued from Virginia to western New England and through the upper Ohio Valley and eastern Great Lakes region. A few showers fell in southern Arizona and New Mexico, but most of the rest of the Nation had no rain. Relatively cool weather continued in most of the Nation but warming began through the Plains.

THURSDAY...Much cooler weather moved over the Great Lakes region and some snow fell in the Northeast. Warming continued through the Plains as afternoon temperatures rose into the eighties. Most of the Nation was sunny, but a few showers fell in the Southwest from southeastern Arizona to southwestern Texas.

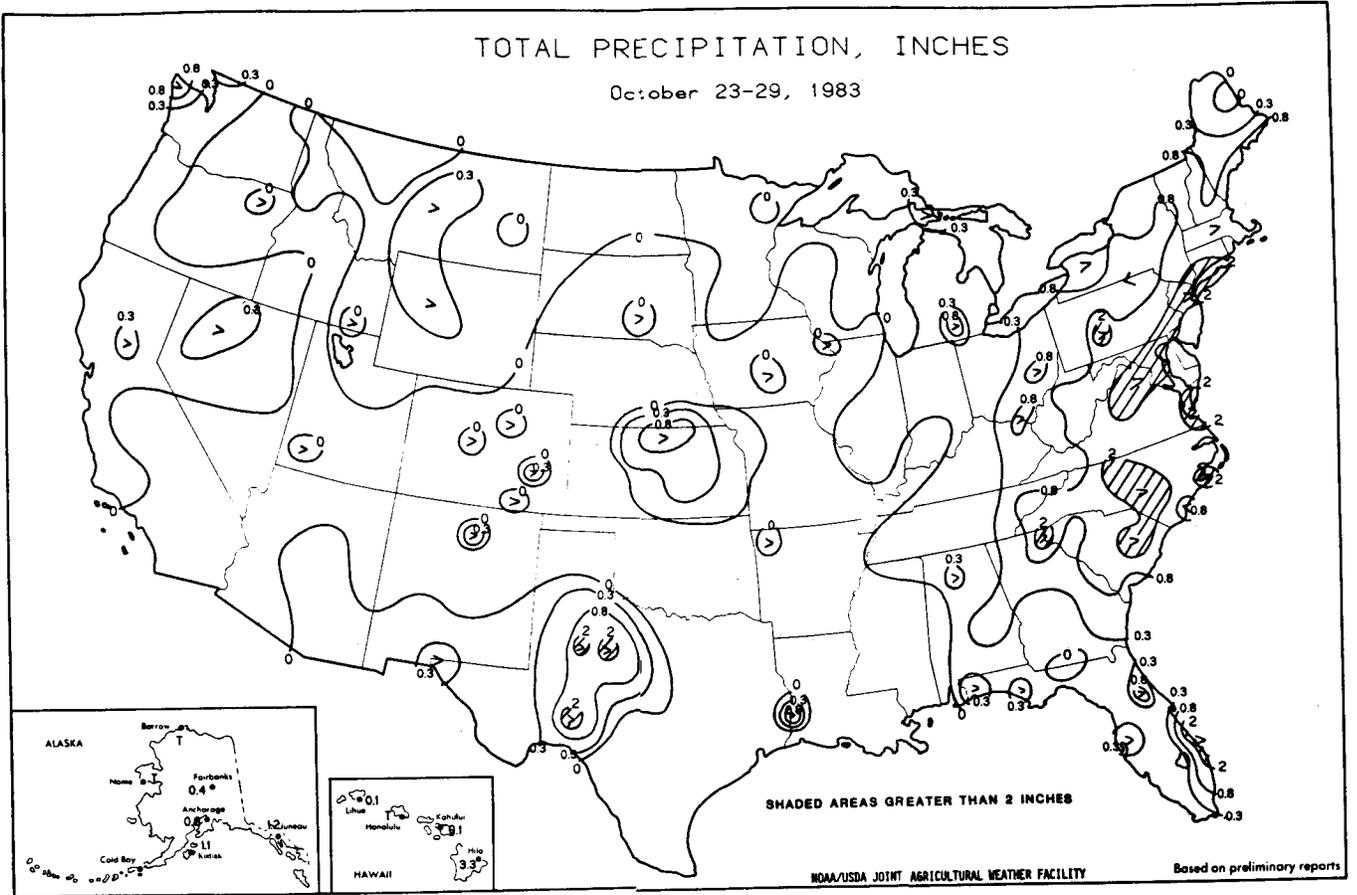
HIGHLIGHTS: Rain covered the East Coast States early in the week and some heavy amounts fell from southern New England to the Carolinas and along the east coast of Florida. Scattered light showers covered the Great Lakes region and the eastern Gulf States. Later, showers and thunderstorms were scattered from Arizona to western Texas and from eastern Kansas into Missouri. As the week ended rain moved over most of the west coast. Average temperatures were cooler than normal over most of the area east of a line from southeastern Texas to the Great Lakes, and warmer than normal west of this line. Average temperatures in parts of the northern Plains were as much as 9-12° warmer than normal.

SUNDAY...A cold front moved from the Midwest into the Atlantic Coast States and spread rain and showers from Illinois to Tennessee and eastward to the Atlantic coast and through Florida. Moderate rain fell from southern New England to South Carolina and along the southeastern coast of Florida. Lighter showers fell from northern California to North Dakota. Minimum temperatures were in the thirties or forties across the northern States, the central and northern Plains, and the Rockies.

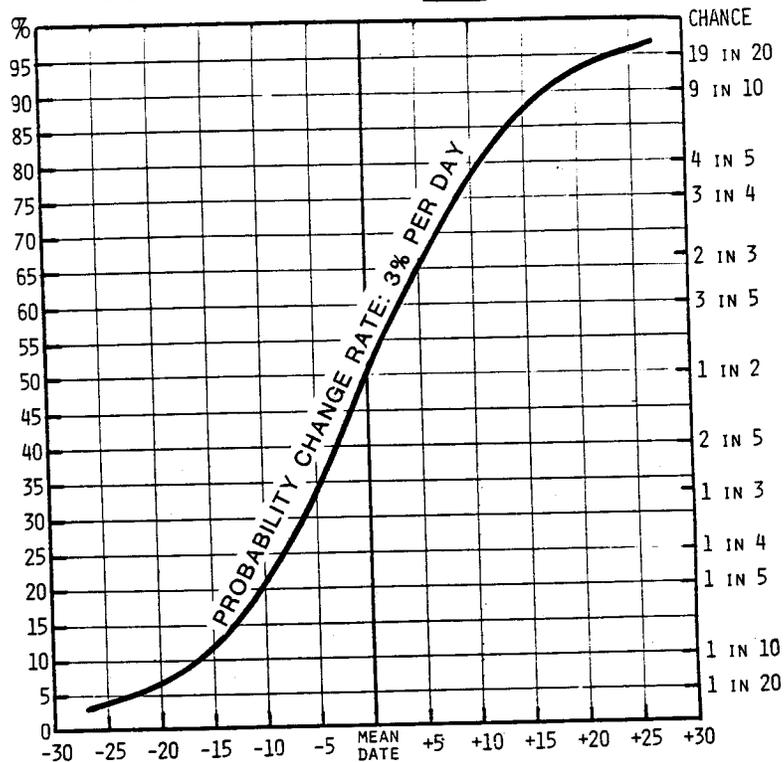
MONDAY...A low-pressure system in the Atlantic moved slowly northward from the mid-Atlantic States. Light, intermittent rain continued in the mid-Atlantic States and along the coast to New England. The cold front continued to trigger rain

(continued on p. 20)

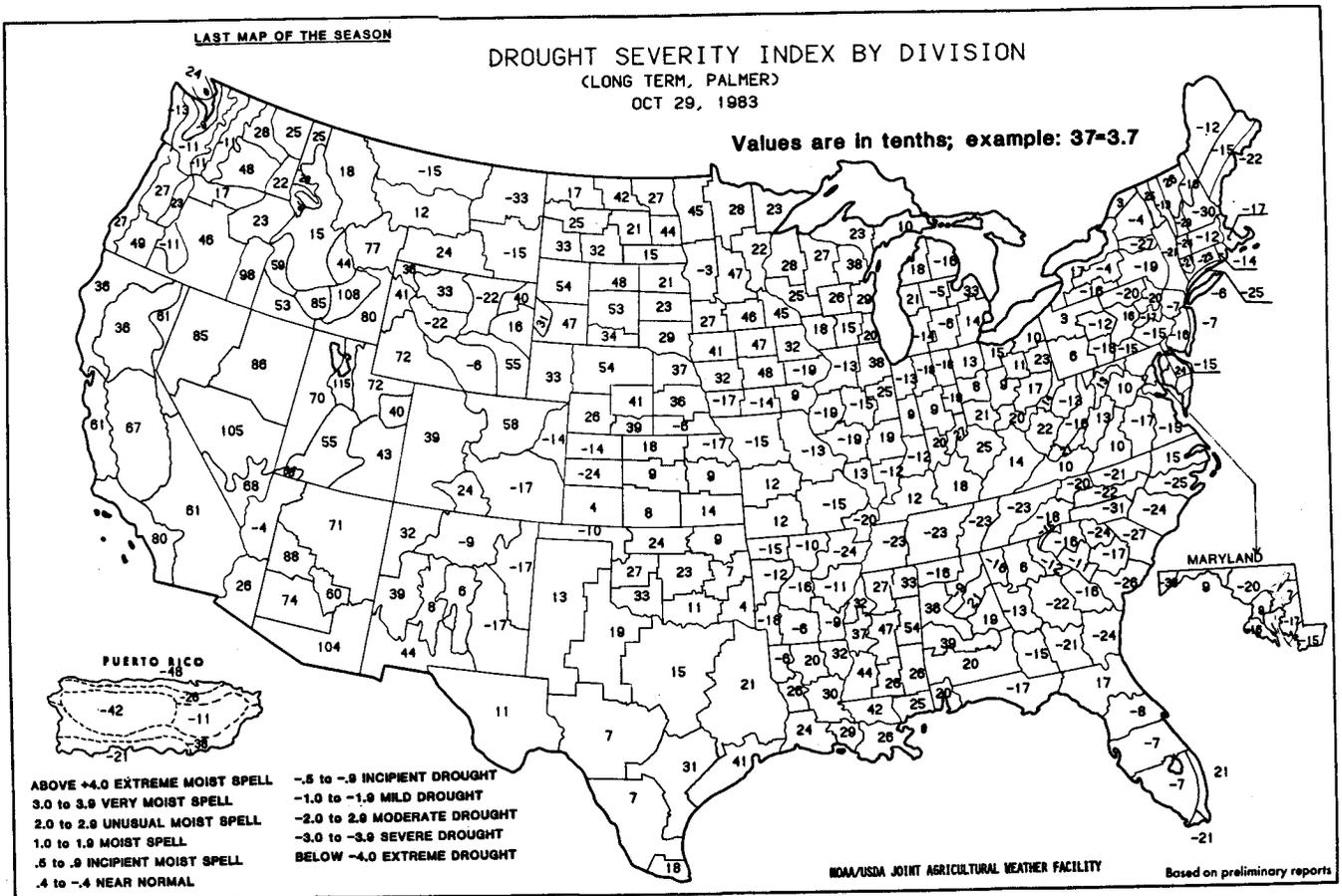
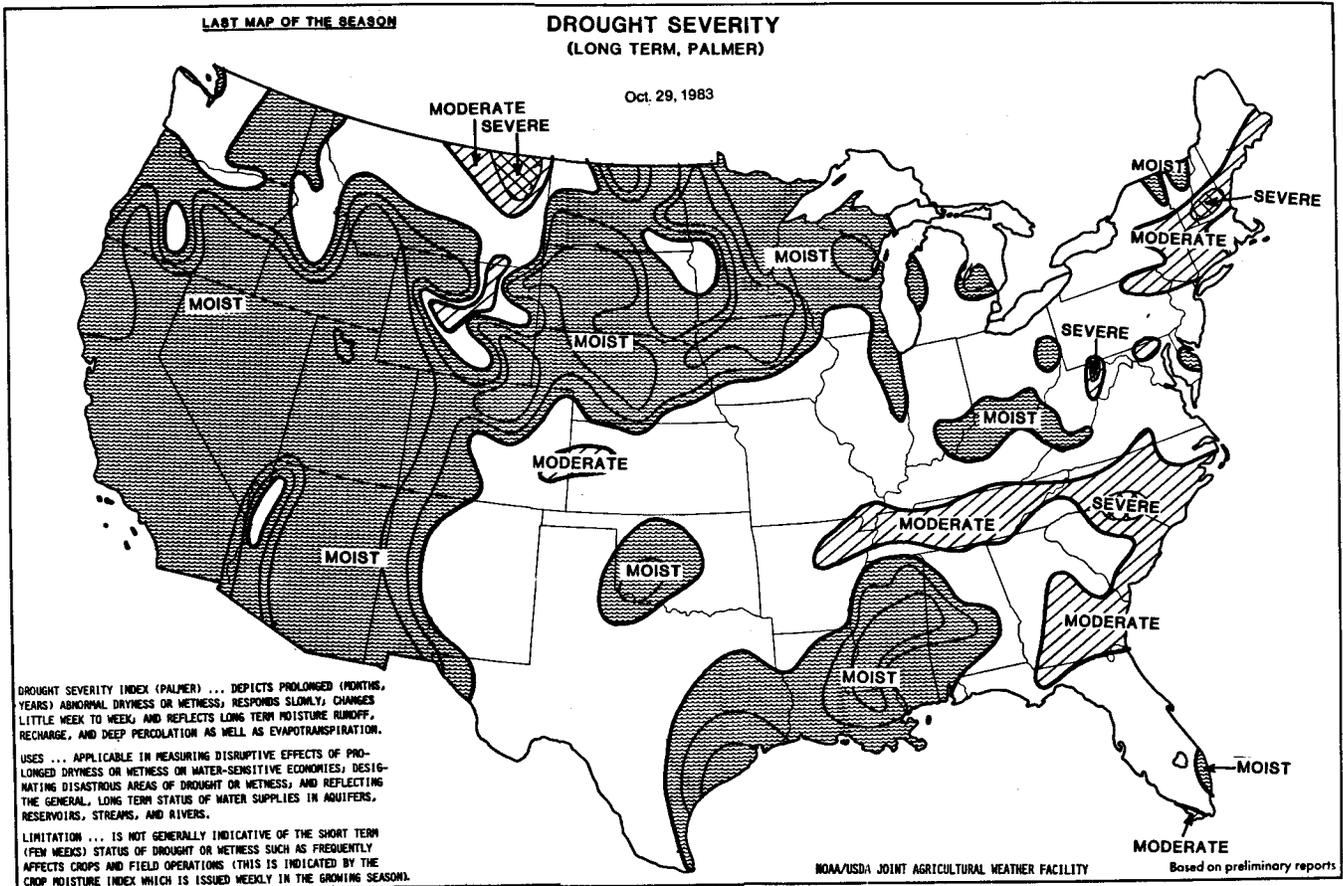
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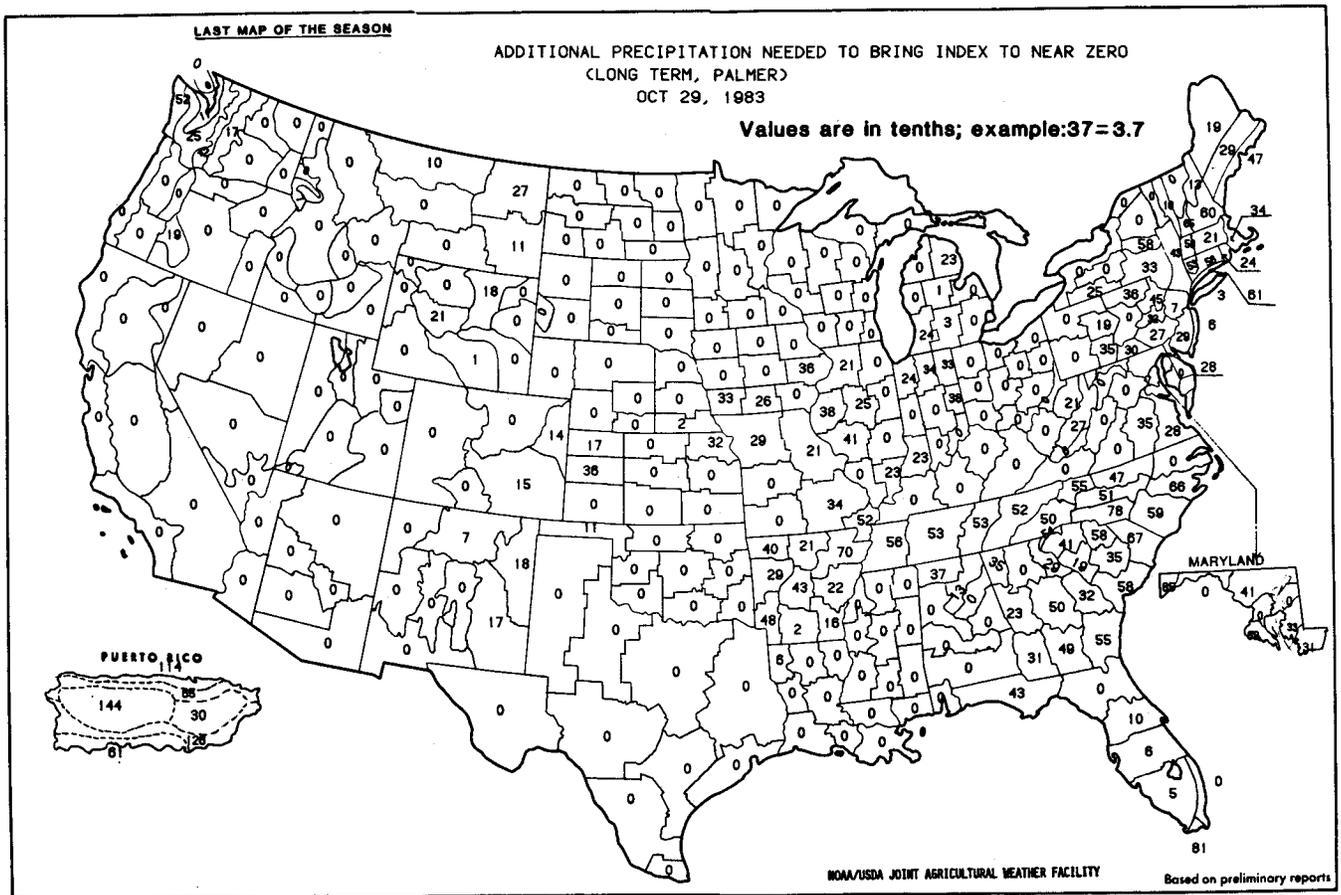


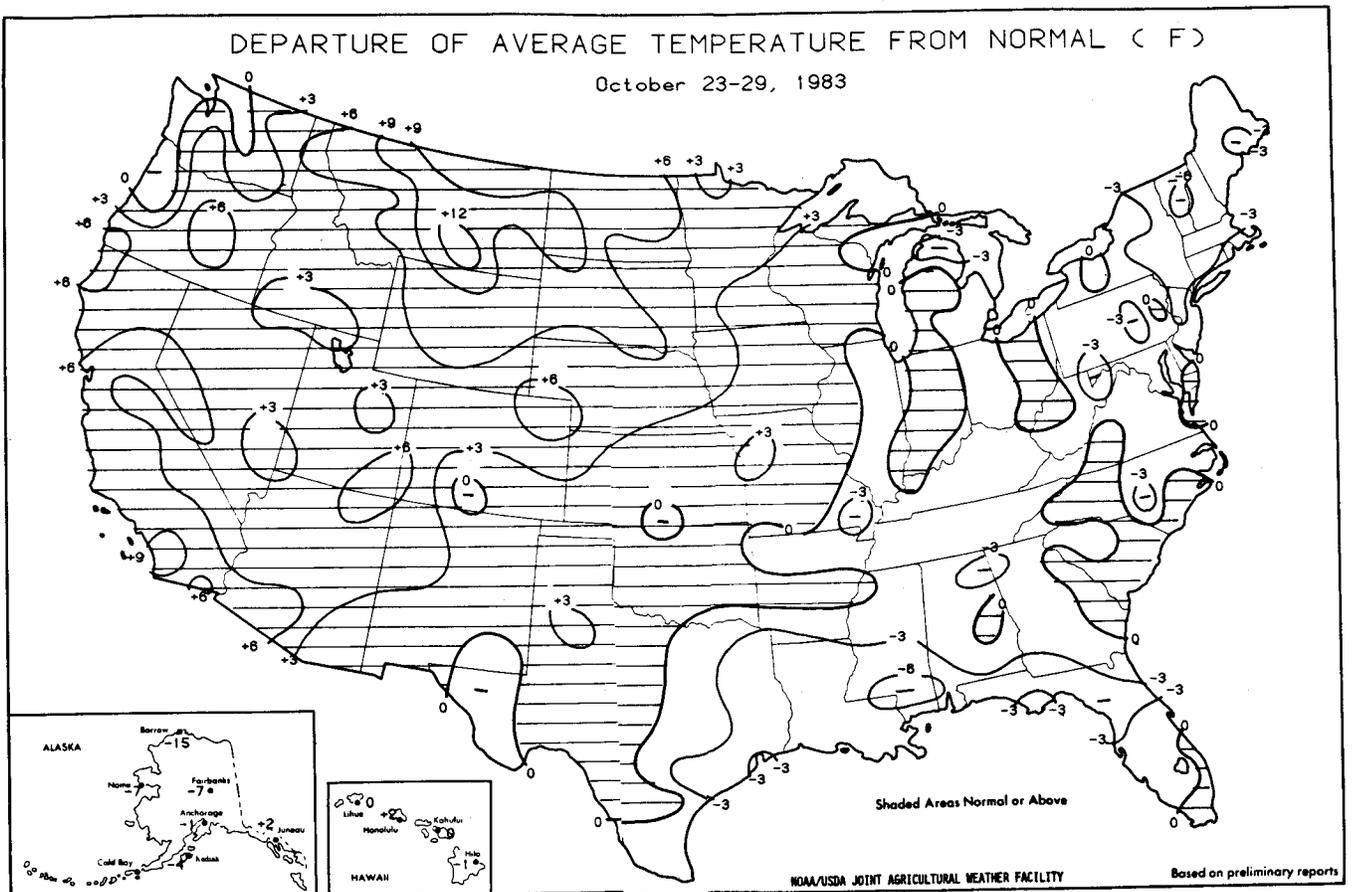
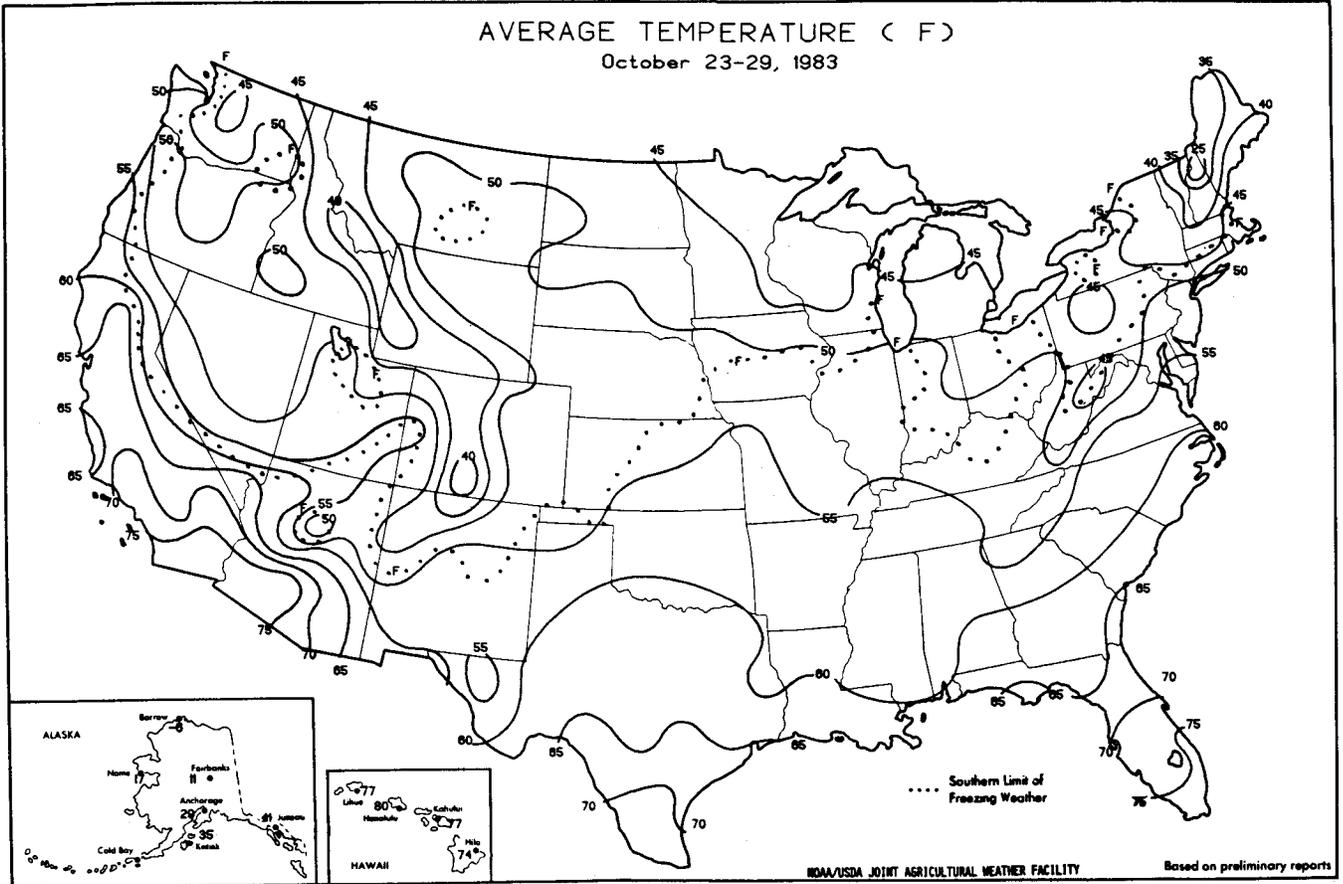
PROBABILITY OF FIRST FALL FREEZE BEFORE A CERTAIN DATE



NUMBER OF DAYS TO SUBSTRACT FROM, OR ADD TO, THE MEAN DATE OF FIRST FREEZE (32 °F OR LOWER) IN THE FALL, TO OBTAIN OTHER PROBABILITIES OF OCCURRENCE. THE NATIONAL CURVE DEPICTED ABOVE WAS DERIVED FROM NUMEROUS, LONG-TERM REPORTS THROUGHOUT THE NATION.







Weather Data for the Week Ending Oct. 29, 1983

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE AUG 28	PCT. NORMAL SINCE AUG 28	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE °F			
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
SHREVEPORT	74	45	79	40	59	-4	0	-.6	0	3.9	64	37.7	102	96	42	0	0	0	0
MA CARIBOU	45	27	53	22	36	-4	0	-.7	0	4.9	71	33.0	107	88	48	0	7	1	0
PORTLAND	52	30	60	25	41	-4	1.0	0	.7	5.7	76	44.1	129	87	50	0	4	2	1
MD BALTIMORE	60	44	71	37	52	-1	1.8	1.1	1.5	5.3	76	39.2	109	86	57	0	0	4	1
SALISBURY	64	46	73	35	55	1	1.8	1.0	1.3	9.5	119	41.9	105	93	61	0	0	4	1
MA BOSTON	55	40	66	37	47	-4	1.3	.5	.8	6.0	85	39.6	113	79	48	0	0	3	1
CHATHAM	56	42	59	38	49	-2	1.8	.9	1.6	7.1	92	46.8	123	77	59	0	0	2	2
MI ALPENA	50	31	64	23	40	-3	.1	-.3	.1	7.1	134	31.2	122	96	59	0	3	2	0
DETROIT	56	38	72	28	47	-1	.1	-.4	.1	5.9	128	29.7	110	84	56	0	3	2	0
FLINT	57	38	69	22	47	0	.1	-.4	.1	6.9	147	27.1	103	83	55	0	2	2	0
GRAND RAPIDS	57	38	67	27	47	0	.1	-.4	.1	7.4	121	31.2	106	81	52	0	2	2	0
HOUGHTON LAKE	52	36	63	24	44	1	T	-.5	T	7.8	144	26.9	111	94	57	0	3	1	0
LANSING	53	36	68	26	45	-2	.3	-.2	.2	6.5	135	28.8	110	92	63	0	3	3	0
MARQUETTE	53	28	67	23	40	0	.1	-.6	.1	11.8	159	37.6	117	93	47	0	6	1	0
MUSKOGON	54	40	63	28	47	-1	.2	-.4	.1	9.6	160	26.2	96	86	58	0	3	3	0
SAULT STE. MARIE	53	30	59	23	42	0	.4	-.3	.3	7.6	106	28.5	101	94	49	0	4	2	0
MN ALXANDRIA	56	35	78	29	46	4	T	-.4	T	4.4	94	19.3	82	88	50	0	2	0	0
DULUTH	54	37	69	28	45	5	T	-.4	T	7.9	134	24.5	89	86	56	0	1	1	0
INT'L FALLS	52	31	68	23	42	4	.2	-.2	.2	7.7	143	22.4	97	94	51	0	4	2	0
MINNEAPOLIS	55	35	70	27	45	0	T	-.4	T	6.5	141	32.4	133	89	50	0	2	1	0
ROCHFESTER	54	33	68	27	44	-1	T	-.4	T	8.5	152	30.4	114	89	52	0	3	0	0
GREENWOOD	70	47	77	39	59	-1	0	-.7	0	3.4	54	47.7	109	86	44	0	0	0	0
MI JACKSON	71	45	79	37	58	-3	0	-.6	0	4.2	66	58.3	133	95	41	0	0	0	0
MERIDIAN	70	45	77	36	57	-3	0	-.6	0	5.3	82	55.3	125	98	47	0	0	0	0
CAPE GIRARDEAU	65	44	76	33	55	-1	T	-.5	T	6.4	98	34.3	91	95	53	0	0	0	0
MO COLUMBIA	64	42	77	37	53	0	T	-.7	T	9.1	123	34.5	106	88	50	0	0	0	0
KANSAS CITY	65	44	75	37	55	1	T	-.6	T	5.1	68	26.6	80	88	48	0	0	1	0
SAINT LOUIS	66	48	79	41	57	3	T	-.5	T	6.6	129	33.2	113	87	48	0	0	1	0
SPRINGFIELD	66	43	77	35	55	1	T	-.6	T	10.9	138	37.7	108	87	48	0	0	0	0
MI BILLINGS	70	47	82	39	59	14	.2	0	.2	3.6	136	11.1	82	56	25	0	0	1	0
GLASGOW	64	33	78	27	49	7	T	-.1	T	1.7	86	7.1	65	77	29	0	3	1	0
MI GREAT FALLS	66	37	75	26	52	8	T	-.1	T	2.8	140	14.1	102	61	20	0	3	0	0
HAVRE	65	32	79	20	49	8	0	-.1	0	.6	44	11.2	105	74	25	0	3	0	0
MI HELENA	63	30	72	23	46	6	0	-.1	0	1.9	127	13.0	129	79	28	0	6	0	0
KALISPELL	60	27	69	20	44	5	0	-.2	0	2.7	99	14.9	109	92	35	0	7	0	0
MI MILES CITY	65	36	79	29	51	7	T	-.2	T	1.6	73	7.5	57	76	28	0	2	0	0
MISSOUIA	60	28	69	22	44	4	T	-.1	T	1.7	94	13.6	127	90	33	0	7	1	0
E GRAND ISLAND	65	39	82	31	52	3	0	-.2	0	3.7	95	24.3	109	80	36	0	1	0	0
LINCOLN	64	39	78	31	52	2	T	-.3	T	4.3	88	25.0	98	90	47	0	1	0	0
NORFOLK	65	37	83	31	51	4	0	-.3	0	2.7	71	24.0	103	78	34	0	2	0	0
MI NORTH PLATTE	69	29	85	22	49	3	0	-.1	0	.7	26	17.1	92	76	23	0	6	0	0
OMAHA	62	42	77	33	52	3	T	-.4	T	4.8	83	26.4	92	83	57	0	0	0	0
MI SCOTTSBLUFF	71	30	83	21	51	5	T	-.1	T	1.0	56	13.2	97	68	16	0	3	0	0
VALENTINE	70	31	85	24	50	6	0	-.1	0	2.6	96	27.4	156	73	20	0	5	0	0
NV FLY	67	26	74	17	46	4	T	-.1	T	1.1	85	12.2	163	80	25	0	7	1	0
MI LAS VEGAS	80	56	85	53	68	5	0	-.1	0	.7	117	4.5	122	43	21	0	0	0	0
RENO	70	37	75	30	54	7	.1	0	.1	1.1	157	8.5	157	88	26	0	3	1	0
WINNEMUCCA	66	31	72	25	49	4	.4	.2	.4	1.2	133	9.5	146	94	28	0	5	1	0
NH CONCORD	51	29	60	24	40	-5	.7	0	.5	5.2	80	35.3	117	80	54	0	6	2	0
NJ ATLANTIC CITY	60	41	69	32	50	-2	1.4	-.6	.9	7.0	109	35.9	99	95	63	0	1	3	1
NM ALBUQUERQUE	64	42	75	38	56	3	0	-.7	0	2.1	117	6.9	92	83	29	0	0	0	0
CLOVIS	69	45	77	40	57	3	T	-.3	T	3.6	95	10.4	62	79	36	0	0	0	0
ROSWELL	69	47	78	42	58	0	.1	0	.1	3.8	141	8.0	84	66	39	0	0	1	0
NY ALBANY	53	31	64	29	42	-5	.8	-.1	.7	4.6	72	36.4	123	93	63	0	6	1	1
BINCHAMTON	51	38	69	31	44	-1	.5	-.2	.4	4.9	75	33.2	107	83	50	0	1	5	0
MI BUFFALO	51	41	67	31	46	-2	.9	.2	.7	7.0	108	27.1	87	86	62	0	1	5	1
NW YORK	58	45	68	40	52	-2	2.5	1.8	1.5	10.4	153	48.5	136	80	53	0	0	1	2
ROCHESTER	55	42	73	31	49	0	1.0	.4	.6	6.0	107	26.0	96	90	56	0	1	5	1
SYRACUSE	53	38	73	30	45	-2	.5	-.2	.3	5.4	82	26.5	80	92	57	0	1	3	0
NC ASHEVILLE	66	42	76	31	54	2	1.1	.4	1.1	10.4	139	40.0	97	86	41	0	1	1	1
CHARLOTTE	69	45	78	36	57	0	1.2	.6	1.2	3.2	68	30.0	87	90	46	0	0	1	1
GREENSBORO	66	44	73	35	55	0	2.1	1.5	1.7	6.8	94	36.6	98	85	50	0	0	2	1
HATTERAS	67	53	77	39	60	-2	.9	-.1	.4	15.6	143	54.4	114	88	55	0	0	3	0
MI NEW BERN	71	49	79	35	60	-1	.8	.2	.8	5.1	53	43.9	93	94	50	0	0	1	1
RALEIGH	66	44	75	34	55	-1	1.8	1.2	1.8	5.8	92	36.8	101	94	51	0	0	1	1
MI WILMINGTON	72	50	79	38	61	-1	.6	-.1	.6	6.6	70	49.4	103	95	51	0	0	1	1
ND BISMARCK	62	30	78	26	46	5	T	-.1	T	1.8	82	17.0	81	85	33	0	5	1	0
FARGO	60	33	75	28	46	5	.1	-.2	.1	5.1	146	17.9	95	79	38	0	5	1	0
MI GRAND FORKS	59	33	76	26	46	6	.1	-.1	.1	5.4	154	20.3	119	85	43	0	3	1	0
WILLISTON	64	34	78	29	49	9	.1	0	.1	.9	38	8.1	62	81	31	0	3	1	0
OH AKRON-CANTON	57	42	70	35	49	1	.4	-.1	.2	6.9	125	31.1	98	84	58	0	0	3	0
CINCINNATI	60	42	71	29	51	0	.2	-.4	.1	10.8	189	35.6	101	89	61	0	2	2	0
MI CLEVELAND	55	43	72	33	49	0	.3	-.2	.2	7.6	141	31.0	101	81	57	0	0	3	0
COLUMBUS	58	41	72	28	49	-1	.3	-.2	.2	7.7	154	30.2	92	84	52	0	1	3	0

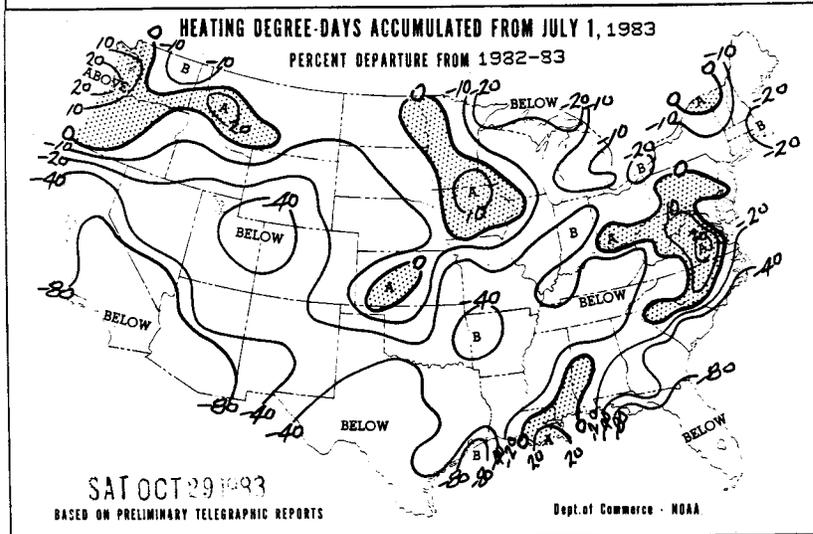
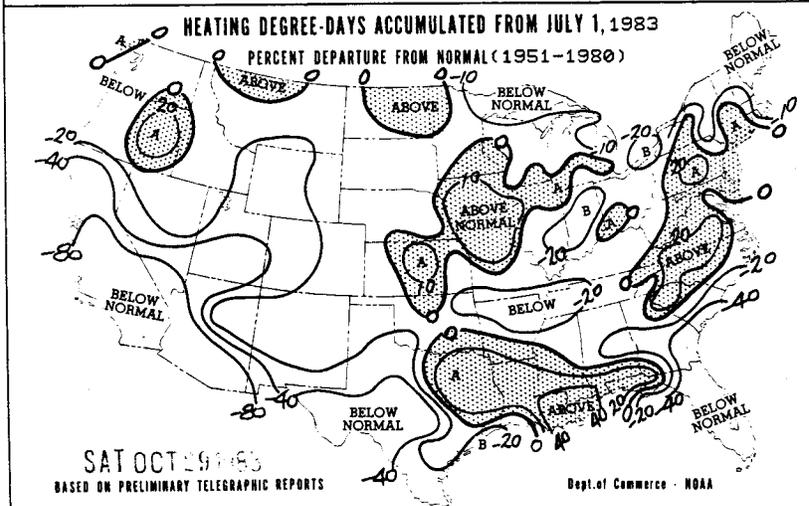
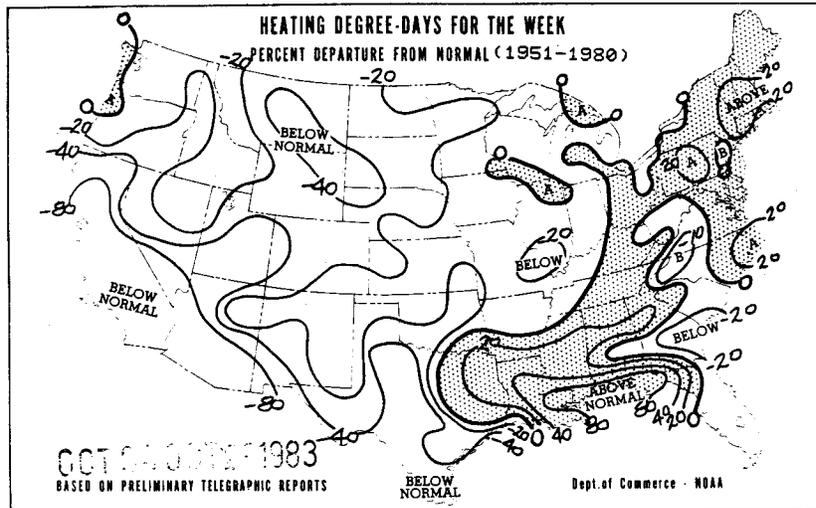
BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

+100 = NORMAL & ACTUAL NEAR THE SAME

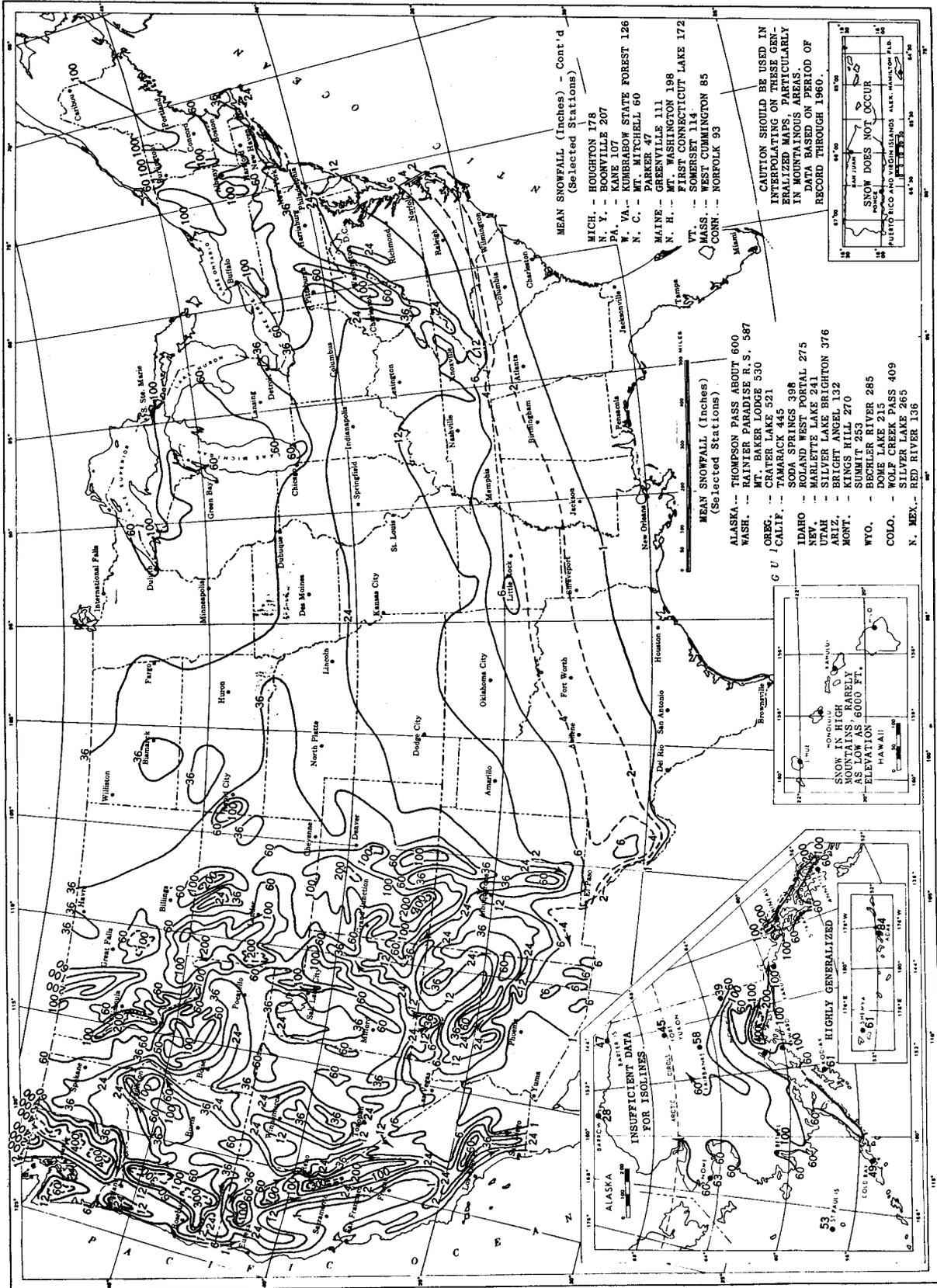
Weather Data for the Week Ending Oct. 29, 1983

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE AUG 28	PCT. NORMAL SINCE AUG 28	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	58	41	72	32	50	-1	.1	.4	.1	6.8	145	11.0	101	87	57	0	1	2	0
TOLEDO	55	39	72	26	47	0	.1	.4	T	5.5	112	26.1	95	92	65	0	2	4	0
YOUNGSTOWN	54	39	71	24	47	-1	.6	0	.4	9.1	154	31.2	95	86	58	0	1	4	0
OK OKLAHOMA CITY	70	47	76	40	59	1	T	.5	T	13.8	216	36.3	126	83	46	0	0	0	0
TULSA	71	48	80	42	59	1	T	.7	T	11.7	143	37.1	93	90	47	0	0	0	0
OR ASTORIA	60	40	65	36	50	-1	.1	1.6	.1	4.1	46	52.1	113	99	71	0	0	2	0
RURNS	65	28	70	26	46	3	T	.2	T	1.0	77	12.4	146	52	30	0	4	0	0
MEDFORD	66	38	71	34	52	1	.2	.3	.2	4.1	164	18.3	134	93	47	0	0	1	0
PENDLETON	62	38	67	32	50	2	0	.3	0	1.1	79	10.4	121	90	45	0	1	0	0
PORTLAND	63	43	68	36	53	2	T	.8	T	4.1	91	32.9	128	100	59	0	0	1	0
SALEM	60	38	66	32	49	-1	T	.9	T	3.0	63	38.1	139	96	63	0	1	1	0
PA ALLENTOWN	59	41	70	32	50	1	1.9	1.2	1.8	5.9	79	38.0	103	80	49	0	1	2	1
ERIE	57	40	75	32	48	0	.6	.2	.4	9.2	121	35.8	108	78	54	0	1	2	0
HARRISBURG	56	40	71	33	48	-3	1.4	.8	1.2	5.5	83	35.5	109	84	49	0	0	4	1
PHILADELPHIA	59	41	66	35	50	-2	1.7	1.1	1.2	8.1	123	41.3	119	90	52	0	0	3	1
PITTSBURGH	56	40	69	31	48	-1	.4	.2	.3	7.1	125	32.5	101	88	55	0	2	4	0
SCRANTON	55	39	70	34	47	-1	.5	.2	.4	5.4	84	33.3	111	85	56	0	0	4	0
RI PROVIDENCE	58	39	65	33	48	-2	1.5	.6	1.1	6.7	91	48.8	133	75	44	0	0	3	1
SC CHARLESTON	75	53	81	40	64	1	2.0	1.4	2.0	6.3	72	46.9	98	92	49	0	0	1	1
COLUMBIA	73	45	80	36	59	-1	1.5	1.0	1.5	5.6	77	35.3	82	97	47	0	0	1	1
FLORENCE	72	48	82	38	60	-1	1.6	1.2	1.6	4.2	62	41.2	107	97	52	0	0	1	1
GREENVILLE	68	43	74	36	55	-2	.7	0	.7	6.8	82	40.6	92	89	44	0	0	1	1
SD ABERDEEN	63	32	83	27	48	5	0	.2	0	2.3	88	19.9	118	91	37	0	4	0	0
HURON	64	33	81	27	49	5	0	.3	0	3.8	127	16.1	91	91	36	0	5	0	0
RAPID CITY	70	37	82	30	53	8	T	.1	T	2.1	105	13.9	90	66	72	0	1	0	0
SIoux FALLS	65	30	85	22	48	3	T	.3	T	4.0	82	23.1	97	94	43	0	5	0	0
TN CHATTANOOGA	66	44	75	36	55	-1	.3	.4	.3	4.4	58	34.8	79	91	46	0	0	1	0
KNOXVILLE	65	44	70	34	54	-1	1.0	.4	1.0	4.7	81	32.5	82	91	50	0	0	1	1
MEMPHIS	68	49	76	42	59	0	T	.5	T	4.5	73	30.5	90	85	48	0	0	1	0
NASHVILLE	65	44	75	36	55	-1	.2	.4	.1	3.6	54	37.1	90	83	48	0	0	2	0
TX ARLING	74	52	81	46	63	1	1.4	.9	1.4	4.2	72	16.9	77	84	43	0	0	1	1
AMARILLO	69	44	78	38	57	2	T	.3	T	3.7	103	14.2	76	88	36	0	0	0	0
AUSTIN	77	53	80	48	65	-1	0	.7	0	5.8	79	31.2	107	83	41	0	0	0	0
BEAUMONT	73	52	78	49	63	-4	0	.7	0	10.7	105	67.4	148	99	52	0	0	0	0
BROWNSVILLE	82	59	85	54	71	-2	0	.6	0	11.6	126	27.3	115	94	68	0	0	0	0
CORPUS CHRISTI	78	59	81	50	69	-2	T	.5	T	11.2	113	34.9	122	94	52	0	0	0	0
DFL RIO	77	56	83	50	67	0	0	.4	0	2.4	46	9.4	56	86	44	0	0	0	0
EL PASO	72	51	80	47	61	2	.4	.2	.2	6.1	254	10.7	143	88	44	0	0	3	0
FORT WORTH	74	48	77	44	61	-3	0	.5	0	4.3	72	28.3	104	89	41	0	0	0	0
GALVESTON	74	62	77	57	68	-2	0	.5	0	11.9	134	47.5	135	78	56	0	0	0	0
HOUSTON	75	49	79	46	62	-4	0	.8	0	8.6	96	46.1	117	91	44	0	0	0	0
LUBBOCK	71	48	78	45	60	3	.6	.2	.6	11.3	269	19.5	111	94	50	0	0	1	1
MIDLAND	72	50	83	47	61	1	.6	.4	.6	5.3	147	8.3	63	88	49	0	0	1	1
SAN ANGELO	78	50	86	45	64	1	.5	.2	.5	3.4	64	13.4	77	82	42	0	0	1	1
SAN ANTONIO	78	50	80	43	64	-2	0	.6	0	5.5	80	22.8	87	87	40	0	0	0	0
VICTORIA	77	54	81	45	66	-3	0	.5	0	11.9	118	39.0	115	100	51	0	0	0	0
WACO	76	47	79	41	61	-4	0	.6	0	1.7	27	20.3	72	94	43	0	0	0	0
WICHITA FALLS	74	47	79	40	61	0	0	.5	0	8.4	131	24.1	96	88	43	0	0	0	0
UT RLANDING	68	39	71	37	54	6	0	.3	0	4.0	160	13.4	144	70	32	0	0	0	0
CEDAR CITY	68	34	72	30	51	3	T	.2	T	1.1	65	12.0	135	73	25	0	3	0	0
SALT LAKE CITY	66	40	70	35	53	4	.1	.2	.1	2.9	138	18.0	143	88	36	0	0	2	0
VT BURLINGTON	51	32	62	29	41	-3	.9	.2	.3	8.4	133	38.4	132	86	50	0	5	6	0
VA NORFOLK	66	50	73	40	58	0	2.7	2.0	1.9	11.5	140	40.3	101	87	53	0	0	3	2
RICHMOND	62	44	72	34	53	-2	1.5	.7	1.4	7.2	96	33.5	89	90	57	0	0	3	1
ROANOKE	64	46	74	41	55	2	1.4	.6	1.3	9.4	132	38.4	111	80	48	0	0	3	1
WA COLVILLE	56	34	62	25	45	3	T	.3	T	1.6	76	20.0	150	92	68	0	4	1	0
QUILLAYUTE	57	37	62	31	47	-1	1.4	1.4	.6	12.2	79	82.4	112	100	77	0	2	4	1
SEATTLE-TACOMA	56	44	62	39	50	0	.1	.8	.1	4.7	89	27.9	106	93	66	0	0	3	0
SPOKANE	61	38	70	31	49	6	0	.3	0	1.3	72	14.6	115	82	44	0	1	0	0
WYAKIMA	62	32	67	27	47	1	T	.1	T	.8	89	8.2	155	81	42	0	3	0	0
WV BECKLEY	55	39	64	34	47	-2	1.2	.7	1.0	6.4	105	30.6	84	90	55	0	0	4	1
CHARLESTON	62	44	73	37	53	1	.7	.1	.5	8.0	133	34.7	95	85	50	0	0	4	1
HUNTINGTON	62	44	72	33	53	1	.6	.1	.4	6.5	114	31.1	88	85	51	0	0	2	0
PARKERSBURG	60	43	72	36	52	0	.4	.1	.3	11.4	219	37.2	102	94	61	0	0	3	0
WI GREEN RAY	55	35	64	30	45	0	T	.4	T	6.1	109	26.6	106	93	51	0	2	1	0
LA CROSSE	58	35	71	30	46	0	T	.4	T	7.3	122	25.0	87	96	50	0	1	0	0
MADISON	55	34	68	27	45	0	T	.5	T	5.7	102	26.1	93	96	54	0	3	1	0
MILWAUKEE	56	41	69	34	49	2	T	.5	T	5.4	100	30.6	113	91	52	0	0	0	0
WAUSAU	55	34	67	30	44	1	T	.4	T	9.8	148	26.6	89	92	44	0	4	0	0
WY CASPER	66	35	74	29	50	7	.2	0	.2	1.1	65	14.7	143	72	24	0	3	1	0
CHEYENNE	65	33	80	24	49	5	T	.1	T	1.2	71	17.9	143	75	22	0	2	0	0
LANDER	64	33	71	28	49	7	.3	1	.2	1.0	45	11.6	97	73	28	0	2	0	0
SHERIDAN	71	35	84	28	51	10	.1	.2	.1	2.1	81	8.0	57	72	26	0	1	1	0
PR SAN JUAN	91	77	95	75	84	3	1.3	0	.9	5.8	46	36.4	75	88	58	3	0	3	1

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS



MEAN ANNUAL TOTAL SNOWFALL (Inches)



Revised 1968

National Agricultural Summary

October 24 to 30

HIGHLIGHTS: Harvesting of fall field crops advanced rapidly during the latter part of the week across the eastern half of the Nation after early week rains slowed progress. Farmers had 5 to 7 days available for fieldwork in the West and 5 to 6 days in the Southeast. Elsewhere, fieldwork was limited to 3 to 5 days because of wet fields. In the eastern Corn Belt, soil moisture was adequate to surplus. In most other areas of the Nation, short to adequate moisture supplies prevailed. Winter wheat seeding reached 87% completion, and 72% of the acreage had emerged, slightly behind the normal schedule. Stands were in fair to mostly good condition. Corn harvesting was 82% complete, 19 percentage points ahead of the average. Soybeans had dropped leaves on 97% of the acreage and were 69% harvested; equal to last year. Sorghum harvesting reached 83% completion, 9 points ahead of normal. Cotton was opening bolls on 95% of the acreage. Picking advanced to 47% completion. Rice harvesting was 97% complete, slightly ahead of schedule. Apple picking and harvesting of hardy late vegetables continued in northern producing areas. Pastures and ranges improved with additional moisture. However, cooler temperatures limited the growth of grasses.

SMALL GRAINS: In the 15 major producing States, 87% of the 1984 winter wheat crop was seeded, and 72% had emerged. Normally, 90% has been planted and 78% has emerged. Seeding was finished in Montana, Nebraska, and South Dakota and nearing completion in all other States except California, Missouri, Oregon, Oklahoma, and Texas. All of Nebraska's acreage had emerged, and 95% was emerged in South Dakota. Kansas wheat was in mostly good condition, except in the West where dry soils left stands in fair condition. The condition of the Oklahoma crop improved substantially because of previous heavy rains and above-normal temperatures. Some replanting of washed out fields was necessary. In the Corn Belt, emerged wheat was generally in fair to good condition with adequate soil moisture. Showers aided stand development across Texas. The additional moisture allowed seeding to advance 9 points during the week, reaching 74% completion.

CORN: Harvesting in the 17 major producing States advanced to 82% completion, well ahead of last year's 52% and the average of 63%. Progress was equal to or ahead of the average in all States except Kentucky and Virginia. Combining was ahead in all regions except the Southeast. Wet field conditions delayed harvesting at the beginning of the week but farmers made rapid progress later as fields dried. Growers in Colorado harvested 22% of their acreage during the week, while Michigan and Pennsylvania producers combined 20%. Harvesting was ahead of the average by 35 points in Nebraska, 34 points in Minnesota, 30 points in Colorado and 29 points in Iowa.

SOYBEANS: Harvesting was delayed by wet conditions in most producing regions. In the 18 major producing States, combining reached 69% completion, equal to last year but 2 points behind the average. Harvesting was behind the average in 10 of the 18 major producing States. Progress was ahead of schedule in the Corn Belt but trailed the average across the South. During the week, growers in Louisiana harvested 19% of their acreage; Minnesota harvested 17%; Michigan 15%; and Alabama, Arkansas, Kentucky, and Mississippi combined 11%.

COTTON: Bolls were opening on 95% of the acreage in the 14 major producing States, 4 percentage points ahead of both last year and the average. Harvesting

was 47% complete, only 1 point ahead of schedule. Progress ranged from 9% picked in New Mexico to 91% complete in Missouri. Picking was ahead of schedule in all regions except the Southwest which includes California. The Texas harvest of cotton was halted in many areas by wet fields. Stripping operations were virtually stopped on the Plains where drier conditions were needed before operations could resume.

SORGHUM: Sorghum harvesting was 83% complete in the 7 major producing States, 24 points ahead of last year and 9 points ahead of the average. Progress was equal to or ahead of the average in all States. Harvesting was 48 points ahead of the average in Colorado, 25 points in Nebraska, and 16 points ahead in Missouri. The Texas harvest was virtually stopped because of wet fields on the Plains. The early frost and excess moisture on the Plains may cause reduced yields.

OTHER CROPS: Rice was 97% harvested in the 5 major producing States, 1 point ahead of last year and the average. Harvesting neared completion in the southern States and was 90% complete in California. The second-crop rice harvest got underway in Texas. Tobacco curing, grading, and marketing continued in full swing. Kentucky burley growers have stripped 16% of their crop. Flue-cured tobacco sales were active in Virginia.

Peanut digging continued to trail the average in most areas. Harvesting was 96% complete in Georgia, 62% finished in Virginia, 51% complete in North Carolina, and 52% complete in Texas.

FRUITS AND NUTS: Fall apple picking began declining in northern producing areas. Florida's citrus groves were in excellent condition with adequate moisture. Grapefruit picking was active while orange harvesting increased in volume. Citrus from the Rio Grande Valley of Texas showed good size and quality. Producers picked increasing volumes of lemons and grapefruit in the Yuma area of Arizona. Navel oranges, lemons, and grapefruit were picked on a limited scale in the Salt River Valley. Harvesting of apples, avocados, dates, kiwifruit, olives, persimmons, pomegranates, grapefruit, lemons, Valencia oranges, and walnuts was active in California. Fertilizing, pruning, and pulling of older Stonefruit trees was active.

VEGETABLES: Harvesting of hardy fall vegetables continued in northern areas. Florida's vegetable areas had near ideal weather for plant growth and fruit development. Harvesting of cabbage, carrots, lettuce, and peppers got underway. Good supplies of most vegetables are expected for the next several months. Texas producers harvested tomatoes, bell peppers, cucumbers, potatoes, and sweetpotatoes. Fall vegetable harvesting continued active in Arizona. Broccoli, cauliflower, and celery were cut in moderate to heavy volumes along the central coast of California. Lettuce harvesting declined along the central coast but increased in the San Joaquin Valley. Market tomato picking continued in the San Joaquin Valley and along the south coast. The processing tomato harvest was virtually complete.

PASTURES AND LIVESTOCK: Pastures and ranges were in mostly fair condition. Additional moisture allowed growth but cool temperatures limited potential. Supplemental feeding continued in most regions. In Texas, range conditions improved under mild temperatures and recent rainfall but grazing was still limited in most areas. Livestock were in good condition as movement to winter grazing continued.

CROP PROGRESS

FOR WEEK ENDING OCT 30, 1983

	WINTER WHEAT % PLANTED		
	1983	1982	AVG.
CALIF	20	25	23
COLO	98	97	98
IDAHO	98	97	96
ILL	94	91	90
IND	95	95	85
KANS	90	98	95
MO	77	69	73
MONT	100	100	100
NEBR	100	100	100
OHIO	95	98	95
OKLA	85	80	90
OREG	86	91	88
S DAK	100	100	100
TEX	74	75	81
WASH	98	94	94
15 STATES	87	89	90

THESE 15 STATES PRODUCED 80% OF THE 1982 WINTER WHEAT CROP.

	WINTER WHEAT % EMERGED		
	1983	1982	AVG.
CALIF	10	15	16
COLO	82	91	89
IDAHO	84	76	78
ILL	82	63	69
IND	85	90	80
KANS	75	90	90
MO	62	55	59
MONT	90	75	80
NEBR	100	100	100
OHIO	80	85	65
OKLA	70	45	65
OREG	60	54	61
S DAK	95	100	100
TEX	47	46	61
WASH	91	86	83
15 STATES	72	71	78

THESE 15 STATES PRODUCED 80% OF THE 1982 WINTER WHEAT CROP.

	SOYBEANS % DROPPING LEAVES		
	1983	1982	AVG.
ALA	91	95	94
ARK	90	94	89
GA	93	95	91
ILL	100	100	100
IND	100	100	100
IOWA	100	100	100
KANS	98	99	99
KY	98	95	98
LA	95	91	93
MICH	100	100	100
MINN	100	100	100
MISS	100	100	100
MO	100	98	100
NEBR	100	100	100
N C	66	71	74
OHIO	100	100	100
S C	82	82	85
TENN	100	100	100
18 STATES	97	97	97

THESE 18 STATES PRODUCED 94% OF THE 1982 SOYBEAN CROP.

	SOYBEANS % HARVESTED		
	1983	1982	AVG.
ALA	39	53	50
ARK	33	51	40
GA	23	34	34
ILL	96	94	95
IND	95	95	80
IOWA	94	83	92
KANS	70	70	70
KY	43	54	60
LA	60	58	68
MICH	80	90	67
MINN	79	69	84
MISS	41	49	51
MO	72	66	72
NEBR	90	75	90
N C	13	14	23
OHIO	90	95	85
S C	6	13	18
TENN	40	50	46
18 STATES	69	69	71

THESE 18 STATES PRODUCED 94% OF THE 1982 SOYBEAN CROP.

	RICE % HARVESTED		
	1983	1982	AVG.
ARK	97	98	97
CALIF	90	85	83
LA	99	98	100
MISS	96	94	95
TEX	100	100	100
5 STATES	97	96	96

THESE 5 STATES PRODUCED 98% OF THE 1982 RICE CROP.

	SORGHUM % HARVESTED		
	1983	1982	AVG.
COLO	93	49	45
KANS	75	40	65
MO	86	65	70
NEBR	90	25	65
OKLA	45	40	45
S DAK	91	34	78
TEX	88	85	87
7 STATES	83	59	74

THESE 7 STATES PRODUCED 90% OF THE 1982 SORGHUM CROP.

	CORN % HARVESTED		
	1983	1982	AVG.
COLO	80	34	50
GA	97	99	95
ILL	92	80	76
IND	80	70	70
IOWA	92	42	63
KANS	95	75	85
KY	74	78	78
MICH	50	55	40
MINN	84	23	50
MO	92	69	70
NEBR	90	20	55
N C	93	94	93
OHIO	65	70	55
PA	49	39	47
S DAK	87	21	67
VA	75	78	78
WIS	44	25	44
17 STATES	82	52	63

THESE 17 STATES PRODUCED 93% OF THE 1982 CORN CROP.

	COTTON % BOLLS OPENING		
	1983	1982	AVG.
ALA	98	98	95
ARIZ	100	100	100
ARK	100	100	95
CALIF	100	100	100
GA	94	95	96
LA	100	100	99
MISS	100	100	100
MO	100	100	100
N MEX	97	100	100
N C	100	100	100
OKLA	85	90	95
S C	100	100	100
TENN	100	100	90
TEX	92	83	84
14 STATES	95	91	91

THESE 14 STATES PRODUCED 99% OF THE 1982 COTTON CROP.

	COTTON % HARVESTED		
	1983	1982	AVG.
ALA	77	70	64
ARIZ	25	35	32
ARK	83	78	65
CALIF	30	50	55
GA	39	57	66
LA	83	65	75
MISS	79	74	74
MO	91	95	75
N MEX	9	20	23
N C	79	52	57
OKLA	10	1	15
S C	90	72	77
TENN	88	85	58
TEX	35	24	31
14 STATES	47	43	46

THESE 14 STATES PRODUCED 99% OF THE 1982 COTTON 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 Statistical Offices in cooperation with the National Weather Service.

ALABAMA: Temperatures normal north, below normal south. No rainfall.

Fieldwork: 5.4 days. Soybeans: Dropping leaves 91%, 1982 95%, average 94%; harvested 39%, 1982 53%, average 50%. Cotton: Bolls open 98%, 1982 98%, average 95%; harvested 77%, 1982 70%, average 64%. Sorghum harvested 82%, 1982 84%. Wheat seeded 41%, 1982 32%, average 57%. Conditions: Pastures, livestock, and wheat fair.

ARIZONA: Weak Pacific cold front brought showers, few thundershowers to north, central areas early week. Upper level low pressure system brought showers to southeast latter part week. Precipitation amounts generally less than 0.25 in. Temperatures ranged 1° above at Casa Grande to 7° above normal Phoenix, Willcox. Fall vegetable harvest active many producing areas, continued at various stages of completion. Fall lettuce harvest winding down Willcox area, will be underway Marana, Salt River Valley. Poston area by November 5th. Small volume pumpkins, squash harvested Cochise County. Mixed vegetable harvest progressed Salt River Valley, greens, radishes, green onions, broccoli, cabbage, parsley, beets picked. Honeydews, cantaloups continued moving Parker area, harvest winding down Salt River Valley. Some Chinese cabbage harvested Chino Valley. Cantaloups, honeydews, watermelons moved in volume Yuma County. Seeding lettuce, broccoli, transplanting cauliflower good progress. Established stands good condition. Lemon, grapefruit picking steadily increasing Yuma area, limited scale Salt River Valley. Few Navel oranges picked Salt River Valley. Other citrus developing, sizing normally. Open bolls present 100% cotton acreage, same as last year, average. Cotton picking advanced to 25% of acreage harvested once, compared with 35% last year, average 32%. Higher percent of cotton acreage harvested Yuma County, picking at peak. Picking Pima, Pinal Counties mostly limited to sandy soils, fields of higher ground. Harvest increased as soils dried out and debris cleared from fields affected by flood. Defoliation active all areas. Alfalfa planting new stands, renovation established stands good progress. Haying slowed Statewide as seasonal low approached. Sheep grazed alfalfa in southern, southwestern counties. Land preparation, seeding small grains active Yuma County. Sorghum harvest winding down Yuma County, increasing other areas. Corn harvest winding down Yuma, Pinal Counties, increasing other areas.

ARKANSAS: Dry week with isolated showers. Temperatures 3° above normal to 2° below. High 82°, low 30°. Rainfall negligible, most 0.02 in.

Days suitable for fieldwork 5.8. Crop progress moderate to slow. Soil moisture generally adequate, short southwest. Soybean condition, non-irrigated poor, irrigated good; shedding leaves 90%, 94% 1982, 89% average; harvested 33%, 51% 1982, 40% average. Rice virtually harvested, same as 1982 and average. Cotton fair condition; harvested 83%, 78% 1982, 65% average. Corn virtually harvested, same as 1982, 86% average. Sorghum virtually harvested, same as 1982 and average. Wheat good condition; planted 42%, 50% 1982 and average. Oats good condition; planted 55%, 74% 1982, 59% average. Pastures below average, but improving. Cattle fair.

CALIFORNIA: Temperatures Statewide were generally 5 to 10° above normal. Along the north border, weekly means were only a couple of degrees above normal. The warmth produced high temperatures into the middle nineties along the central and south coasts as well as the lower deserts of the southeast interior. Lowest readings were down to the mid-twenties in the extreme northern interior. Scattered light rain early in the period was noted over the northern third of the State. The rest of the State was dry.

Excellent weather assisting in harvest operations and land preparations. Rice harvest continues with 90% complete, 85% last year and 83% average. Burning of stubble active. Cotton harvest increasing, 30% complete, 50% last year, and 55% average. Many harvested fields being shredded and disced. Winter wheat 20% planted, 25% last year, and 23% average. Emerged 10%, 15% 1982, and 16% average. Harvest of field corn, grain sorghum, sugarbeets, and dry beans active. Some planting of new alfalfa fields. Apple, avocado, date, kiwifruit, olive, persimmon, pomegranate, desert area grapefruit, lemon, Valencia orange, and walnut harvests active. Calmeria, Emperor table grape picking, quality good but slip-skin, decay causing concern. Fertilizing, pruning, pulling older trees, ground preparation active in stonefruits. Low yields on walnuts. Artichokes very light supply. Green bean harvest San Joaquin Valley, Riverside County. Broccoli harvest fairly heavy Central Coast, harvest started South Coast. Cantaloup, mixed melon harvests increased Desert. Carrot supplies moderate Salinas, San Joaquin Valleys. Cauliflower moderate supply Central Coast, some diversion to freezers due to hollow stem. Celery harvest fairly heavy Central Coast, planting active South Coast. Lettuce harvest increased San Joaquin Valley, decreased Central Coast. Fall potato harvest complete Tulelake area. Harvest winter potatoes active Riverside. Pumpkin harvest full swing. Sweetpotato harvest active. Market tomato harvest continued San Joaquin Valley, South Coast. Harvest fall watermelons started Desert. Northern district received needed rain to boost grass growth. Southern foothill areas need additional moisture keep new grass growing. Sheep grazing alfalfa, stubble fields. Calving lambing continue.

COLORADO: Cloudy, cool and moist weather started the week with only traces rain in most locations. Clearing by midweek with near record high temperatures. Fair and cool to close the week. Alamosa reported Nation's lowest temperature for majority of the week.

Winter wheat in mostly good condition: 98% seeded, 97% last year, 98% average; 82% emerged, 91% last year, 89% average. Corn in good condition: 80% harvested, 34% last year, 50% average. Sorghum in fair condition: 93% harvested, 49% last year, 45% average. Statewide 6.5 days suitable for fieldwork. Topsoil very short southeast and northeast, adequate northwest, short elsewhere. Subsoil very short in southeast, short rest of eastern Plains, adequate elsewhere. Range and pasture conditions poor southeast, fair to good in all other areas.

FLORIDA: Local heavy showers along the east coast and over the Everglades district with a stagnating warm front finally dissipated

late in week. Elsewhere much drier air and sunny skies prevailed under increasing high pressure.

Soil moisture mostly adequate, few dry areas in central, north, few wet spots along east coast. Soybean crop maturing rapidly, harvest increasing, yields down. Peanut harvest nearing completion. Cotton picking active, sugarcane cutting increasing. Seed corn in south good progress. Land preparation, seeding small grains active. Pasture conditions generally good in the south but mostly poor to fair across the remainder of the State. Grass shorter but remains sufficient. Cattle remain in very good condition. Citrus excellent condition, coolest temperatures of new fruit season. Temperatures in 50's, moisture adequate, very little irrigation. Grapefruit harvest active. Orange movement increasing. Heavy rains on east coast early week, some washing of beds, leaching fertilizer. Other areas light scattered showers, near ideal weather for plant growth, fruit development, most areas. Harvest active sweet corn, cucumbers, eggplant, squash. Harvest gaining snap beans, escarole, radishes, tomatoes. Harvest underway cabbage, carrots, lettuce, peppers. Good supplies most vegetables expected next several months. Seeding and transplanting continues active.

GEORGIA: Mild days and cool nights. Temperatures averaged 3 to 4° below normal in north and 2 to 3° below normal in south. Spotty rainfall averages 1.00 to 1.50 in. north, 0.50 to 0.75 in. in central and south. Weekend of 29th and 30th mostly fair with mild days and cool nights.

Soil moisture 6% very short, 34% short, 59% adequate. Average days suitable for fieldwork 5.4. Main activities harvesting, land preparation and planting small grains. Corn condition 4% very poor, 25% poor, 49% fair, 21% good; 97% harvested, 99% last year, 95% average. Cotton 16% poor, 59% fair, 25% good; 94% bolls open, 95% last year, 96% average; 39% harvested, 57% last year, 66% average. Peanuts 6% very poor, 15% poor, 62% fair, 15% good; 96% dug, 100% last year, 99% average; 90% threshed, 99% last year, 98% average. Soybeans 22% poor, 57% fair, 19% good; 93% dropping leaves, 95% last year, 91% average; 23% harvested, 34% last year and average. Apples 4% very poor, 24% poor, 48% fair, 24% good; 96% picked, 100% last year, 98% average. Pecans 3% very poor, 12% poor, 52% fair, 33% good; 5% harvested, 27% last year, 19% average. Wheat 28% planted, 23% last year, 29% average. Rye 65% planted, 62% last year, 51% average. Other small grains 50% planted this year and last; 45% average. Pastures 15% poor, 48% fair, 36% good.

HAWAII: Overall weather conditions were unfavorable for agriculture. Gusty winds caused damage to crops in low-lying areas and those on valley slopes. Cooler temperatures slowed crop progress. Showers were frequent and of light to moderate intensity. Farm activity slowed when rains were heaviest. Supplies of head cabbage and Chinese cabbage will remain heavy. Head lettuce supplies will be down slightly due to disease infestations. Papaya production in full swing.

IDAHO: A Pacific frontal system swept across the State at the beginning of the week producing moderate amounts of rain. High pressure brought fair skies and mild temperatures the remainder of the week. Precipitation was near normal in the north and east but below average in the

southwest and south central areas. Departures ranged from 0.05 in. below normal at Parma to 0.20 in. below normal at Burley. Temperatures were above average Statewide. Departures ranged from 1 to 6° above normal.

Winter wheat seeded rose to 98% complete versus 97% last year and 96% average. Emergence stood at 84% versus 76% last year and 78% average. Potatoes dug climbed to 98% complete, the same level as last year but 1 point ahead of average. Sugarbeets advanced to 70% harvested compared to 1982's 65% and the average of 59%. Corn for grain reached 34% picked while apples climbed to 98%. The third cutting of alfalfa was virtually complete. Cattle and sheep were 85% and 75% removed from summer ranges, respectively.

ILLINOIS: Temperatures 2° below normal to 4° above normal. Precipitation none to 0.19 in.

Soil moisture 19% short, 73% adequate, 8% surplus. Days suitable fieldwork: 3.3. Corn 92% harvested, 1982 80%, average 76%. Soybeans 96% harvested, 1982 94%, average 95%. Wheat 94% planted, 1982 91%, average 90%; emerged 82%, 1982 63%, average 69%; condition 14% excellent, 63% good, 23% fair. Sorghum harvested for grain 87%, 1982 72%, average 74%. Fall plowing 44% complete, 1982 31%, average 35%. Pasture condition 4% excellent, 43% good, 43% fair, 7% poor, 3% failure. Supplying 54% of livestock roughage requirements, 1982 65%, average 52%. Livestock condition good.

INDIANA: Temperatures averaged near seasonal normals. Minimums to upper 20's and lower 30's, the maximums in mid to upper 70's. Precipitation not significant. Generally zero to less than 0.10 in.

Soil temperatures upper 40's to lower 50's. Fieldwork averaged 3.3 days. Topsoil moisture adequate, subsoil moisture short to adequate. Pastures fair. Corn 80% harvested, 1982 70%, average 70%. Corn moisture content 20%, 1982 19%. Soybeans 95% combined, 1982 95%, average 80%. Soybeans 100% dropping leaves, 1982 100%, average 100%. Soybean moisture content 13%, 1982 13%. Wheat 95% seeded, 1982 95%, average 85%. Wheat 85% emerged, 1982 90%, average 80%. Wheat stands good, 1982 fair to mostly good. Rye 95% seeded, 1982 97%, average 92%.

IOWA: A warm, dry week. Temperatures, averaging from 2 to 5° above normal, ranged from 81° at Sioux City on the 28th to 24° at Sibley on the 25th. Most of the precipitation fell at the weekend with the heaviest amounts over the southeast. Little or no rain fell over the northwest. Daily evaporation averaged about 0.10 in. Soil temperatures at the 4 in. level have declined into the mid-to-upper 40's at the weekend.

Days suitable, 4.5. Corn harvested 92%, 42% last year; 63% normal. Soybeans harvested 94%, 83% last year, 92% normal. Fall plowing completed 42%, 10% last year, 21% normal. Fertilizer applied 40%, 10% last year. Topsoil moisture 5% short, 88% adequate, 7% surplus. Subsoil moisture 27% short, 70% adequate, 3% surplus.

KANSAS: Precipitation averaged little or none west and southeast, 0.50 in. north central and 0.10 to 0.20 in. elsewhere. Temperatures averaged 53 to 55° west and north, 56 to 58° elsewhere. These were 1° above normal southwest, 6° above normal northwest, 2 to 3° above normal elsewhere.

Sorghum 95% mature, 90% last year, 96% average; 75% harvested, 40% last year, 65% average. Soybeans 98% dropped leaves, 99% last year, 99% average; 70% harvested, 70% last year, 70%

average. Corn 95% harvested, 75% last year, 85% average. Wheat 90% planted, 98% last year, 95% average; 75% emerged, 90% last year, 90% average. Wheat condition ranges from fair to excellent, mostly good. Pastures and rangeland generally fair. Some wheat pasture available. Soil moisture short west, adequate elsewhere. Days suitable for fieldwork: 4.0.

KENTUCKY: Changeable weather. Heavy rains of previous week lingered briefly over east on 24th. Rain totaled 0.50 to about 1.00 in. in east with less than 0.25 in. in central and west. Temperatures were cool first half of week then warmer on 27th and 28th. Slightly cooler air entered region over weekend. Mercury readings averaged slightly above normal. Frost was observed on 26th and 27th mornings especially over northeast. Most low temperatures remained above freezing.

Soil moisture 83% adequate, 9% short, and 8% surplus. Days favorable for fieldwork limited to 2.6. Burley 16% stripped, last year and average 17%. Most growers expected to have portion of crop ready when markets open November 21. Corn harvest 74% complete, 78% last year and average. Wet conditions limited soybean harvest activity; 43% complete compare 54% last year and 60% average. Yields generally poor. Fall wheat seeding 55% complete, compared 58% last year, and 66% for average. Early wheat germinated well and up to favorable stand. Fall pastures showing improvement.

LOUISIANA: Temperatures averaged 2 to 5° below normal. High 83°, low 36°. Rainfall virtually none. Greatest amount 0.03 in.

Soil moisture very short to short north, generally short central and adequate south. Days suitable 6.2. Cotton open bolls 100%, 100% 1982. Cotton harvested 83%, 65% 1982, 75% average. Condition fair. Rice harvested 99%, 98% 1982, 100% average. Sorghum harvested 98%, 98% 1982. Soybeans leaves turning 99%, 98% 1982. Soybeans leaves shedding 95%, 91% 1982, 93% average. Soybeans harvested 60%, 58% 1982, 68% average. Condition fair to good. Sugarcane planted 97%, 99% 1982. Sugarcane harvested 26%, 27% 1982, 21% average. Condition good. Sweetpotatoes harvested 86%, 91% 1982 and average. Vegetables rated fair. Harvesting cucumbers, snap beans and squash. Pecans rated fair to good. Harvest 9%, 12% 1982, 17% average. Hay final cutting 99%, 98% 1982, 95% average. Wheat planted 43%, 22% 1982, 49% average. Wheat emerged 25%, 10% 1982. Condition fair. Pastures rated fair. Livestock rated fair to good.

MARYLAND AND DELAWARE: Maryland: Harvest of corn and soybeans, and planting of small grains were hampered by weather. It was the 6th consecutive week rainfall has delayed fieldwork. Farmers worked an average of 3.5 days. Topsoil and subsoil both adequate. Corn for grain harvest 80% complete; 1 week ahead of last years 75%. Soybean leaf drop 85%; 90% last year. Soybean harvest at 40% is equal to last year's level. Apple harvest 95% complete, 100% last year. Fourth cutting of alfalfa hay 95%, 2 weeks behind last year's 95% cut on October 14th. Seeding of small grain delayed by rain. Barley 90% seeded, 95% seeded last year. Rye 85% seeded 1983 and 1982. Wheat 80% seeded, 60% last year.

Delaware: Rain delayed harvest and planting of small grain. Corn for grain harvest 90%, 95% last year. Soybean leaves shed 80%, 100% last year. Soybean harvest 45%, 70% last year. Other hay 95% cut 4 times. Small grain harvest behind last year. Barley 90% seeded; 100% last year. Wheat seeded 30%, 45% in 1982. Rye 55% planted; 65% last year.

MICHIGAN: It was very typical fall week with temperatures averaging just slightly above normal and light rainfall in the early part of the week. Temperatures warmed up toward the end of the week. Strong winds were reported throughout the State on 28th.

Harvest of fall field crops advanced rapidly in the latter part of the week after early week rain slowed progress. Statewide 4.0 days were suitable for fieldwork. Corn for grain 50% harvested, 55% last year, 40% average. Soybeans 100% dropping leaves, 100% last year, and average. Soybeans 80% harvested, 90% last year, 67% average. Sugarbeets 70% harvested, 99% last year, 74% average. Winter wheat 95% planted, 99% last year, 93% average. Fall apple harvest expected to finish this week.

MINNESOTA: The week was warm dry and sunny. Temperatures average 2 to 5° above normal. High 83°, low 18°. Precipitation average near normal for northwest and 0.23 to 0.41 in. below normal elsewhere. Greatest reported weekly total was 0.28 in.

Fieldwork conditions were greatly improved by clear weather Statewide. Large scale soybean combining resumed as moisture dropped to harvestable levels again. Corn for grain harvest made rapid progress. Ideal soil condition for fall plowing. Days suitable for fieldwork: 4.2. Topsoil moisture 3% short, 71% adequate, 26% surplus. Field corn for grain harvest 84%, 23% 1982, normal 50%. Moisture content 21%, 1982 26%, normal 24%. Land plowed 50%, 1982 9%, normal 23%. Soybean harvest 79%, 1982 69%, normal 84%. Moisture content 24%, 1982 26%, normal 12%. Land plowed 45%, 1982 25%, normal 49%. Sunflower harvested 72%, 1982 37% normal 72%.

MISSISSIPPI: Temperatures 1 to 9° below normal. Extremes 32 and 82°. Light frost in northern area of State.

Soil moisture adequate to short in the southern third of the State, adequate in other areas. Fieldwork 4.9 days suitable, 5.8 1982, 4.3 average. Cotton fair; 100% open bolls, 100% 1982 and average; 79% harvested, 74% 1982 and average. Rice 95% harvested, 94% 1982, 95% average. Soybeans fair; 100% shedding, 100% 1982 and average; 41% harvested, 49% 1982, 51% average. Sorghum 94% harvested, 95% average. Corn 90% harvested, 93% 1982, 91% average. Peanuts 81% harvested; sweetpotatoes 75% harvested. Pecans fair to good; 15% harvested, 32% 1982, 21% average. Wheat 44% planted, 32% 1982, 50% average. Pasture condition fair.

MISSOURI: A dry week with temperatures ranging from normal in the southeast to 4° above normal over the rest of the State. Rainfall averages varied across the State, ranging from 1.73 to 7.00 in.

Days suitable for fieldwork: 3.6. Corn 92% harvested, 69% last year and 70% normal. Grain sorghum 86% harvested, 65% last year and 70% normal. Soybeans 93% mature, 93% last year and 94% normal. Beans 72% harvested, 66% last year and 72% normal. Winter wheat 77% seeded, 69% last year and 73% normal. Plowing for spring crops 43% completed, 37% last year and 35% normal. Cotton 91% harvested, 95% last year and 75% normal. Pasture condition 16% poor, 63% fair and 21% good. Topsoil moisture supplies 18% short, 75% adequate and 7% surplus.

MONTANA: Very warm week as temperatures averaged 5 to 15° above normal. Rain on 30th left 0.10 to 0.60 in. scattered over southwest, central and south central and little or none elsewhere.

Moisture supplies short to adequate. Topsoil better than subsoil. Fieldwork, 6.1 days suitable. Percents this year, last year, average: Winter wheat emerged 90, 75, 80; sugarbeets harvested 85, 55, 75; potatoes harvested 98, 85, 90; cattle moved from summer ranges 85, 65, 75; sheep moved from summer ranges 85, 70, 80.

NEBRASKA: Temperatures 3 to 5° above normal. Rainfall nonexistent except for a few isolated showers over southeast.

Corn 90% harvested, 20% last year and 55% average. Soybeans 90%, 75% and 90%. Sorghum 90%, 25% and 65%. Wheat mostly good to fair. Pasture and range feed mostly adequate to short. Topsoil moisture mostly adequate to short. Subsoil moisture short to adequate. Days suitable for fieldwork 5.7.

NEVADA: Entire State dry during week except for 30th when the only rainfall was recorded. High pressure system dominated remainder of week. Temperatures averaged about 5° above normal across State. Overnight lows generally near normal or below, with temperatures in teens extreme north, near freezing rest of State. Solar heating during day pushed highs well above normal resulting in warmer than average week.

Harvest activities minimal and virtually complete. Ranges and livestock good to excellent condition.

NEW ENGLAND: Temperatures averaged near normal along the coast, 2 to 4° below normal in northern Maine, and 4 to 8° below normal elsewhere. Most precipitation fell over southern and coastal areas early in the week. Largest measurement was 1.28 in. at Chatham, MA. on 24th.

NEW JERSEY: Temperatures averaged 3° below normal. Extremes were 19° on the 31st and 71° on the 25th. Weekly rainfall averaged 0.03 in. north, 0.02 in. central and 0.06 in. south. The heaviest 24-hour total 0.08 in. on the 25th to 26th. Estimated soil moisture, in percent of field capacity, averaged 99% north, 96% central and 95% south. Four inch soil temperatures averaged 47° north, 51° central and 53° south.

Fieldwork: 4.0 days suitable for fieldwork. Soil moisture adequate. Harvest of hardy late season vegetables continues. Irish potato and sweetpotato harvest nearing completion. Apple and cranberry harvest well advanced. Harvest of corn for grain and soybeans has resumed where conditions permit. Pasture growth very limited because of recent frost. Fall sown grains and cover crops growing nicely.

NEW MEXICO: Average temperatures for week little above normal northwest, near normal elsewhere. Minimum temperature 17°, northern mountains. Maximum temperature 82°, southeastern Plains. Scattered, light showers during week confined to southern half of State.

Soil moisture supplies mostly adequate. Cotton poor, east side; good, elsewhere. Fields opening bolls 97%, 100% last year, 100% average. Fields harvested 9%, 20% last year, 23% average. Alfalfa fields damaged by rains. Cutting progress- 5th thru 7th cutting, south; final cuttings north. Irrigated grain sorghum harvest 60% complete, slowed by wet conditions. Corn for grain 85% harvested. Dryland wheat, barley fields improving due to rains. Irrigated fields good condition. East side peanuts digging delayed by rains. harvest 5% complete.

Apple harvest nearing completion. Red chile, fall lettuce picking continues, Mesilla Valley. Ranges fair, but spotty. Cattle, sheep rated good.

NEW YORK: Average temperatures in upper 30's to mid 40's Upstate, upper 40's to mid 50's extreme southeast. One half to 1.00 in. of rain in most Upstate areas, 1.50 to 2.50 in. in southeast. First snowfall of the season brought 1 to 2 in. of snow in higher terrains of north country.

Corn silage harvesting in late stages. Grain corn harvest progressing. Late haying, fall plowing.

NORTH CAROLINA: Temperatures above normal across the State. Rainfall heaviest in north central part of State.

Soil moisture: 1% very short, 14% short, 80% adequate, 5% surplus. Days suitable for fieldwork: 4.2. Condition: Peanuts: 4% poor, 88% fair, 8% good. Soybeans: 16% poor, 72% fair, 12% good. Sweetpotatoes: 5% poor, 78% fair, 17% good. Phenological stages: Cotton opening bolls: 100%, 1982 100%, average 100%. Soybean leaf drop: 66%, 1982 71%, average 74%. Harvests: Corn for grain: 93%, 1982 94%, average 93%. Apples: 84%, 1982 100%, average 94%. Sorghum harvest: 65%, 1982 80%, average 80%. Sweetpotatoes: 80%, 1982 87%, average 87%. Peanuts dug: 51%, 1982 95%, average 95%. Peanuts threshed: 35%, 1982 89%, average 88%. Major farm activities: Seeding small grains, soybean harvest, cotton harvest, combining of corn for grain, preparation of land for fall seeding, seeding cover crops, sweetpotato harvest, and cutting fire wood.

NORTH DAKOTA: Light precipitation fell on the 24th as a Pacific weather system moved through. Rainfall amounts were below normal in all but northwest district. The northwest and northeast received the most, 0.16 in. precipitation. Temperatures averaged above normal in all districts. Ft. Yates and Lamoure recorded the highest 82°. Lamoure also recorded the lowest 19°. Statewide precipitation averaged 0.10 in. below normal and temperatures averaged 6° above normal.

Excellent progress made on row crop harvest as all crop harvests neared completion. Sunflower, corn and soybean harvests were ahead of the average completion rate while dry beans, potato and sugarbeet harvests were above average. The percent harvested compared to last year and average: sunflower 91, 33, 61; corn grain 94, 49, 68; dry beans 96, 91, 97; soybeans 95, 77, 90; potatoes 98, 98, 99; and sugarbeets 99, 96, 96. Soil moisture supplies near normal. Topsoil moisture 43% short or very short, 57% adequate. Subsoil moisture 59% short or very short, 41% adequate.

OHIO: Average high's mid to upper 50's; 1 to 3° below normal. Average low's mid to upper 30's; 1 to 2° below normal. Precipitation most stations 0.10 to 0.20 in.

Harvest progress slowed due to rains early week. Corn grain fair to good, moisture 21%, drying slowly. No killing frost in most areas. Soybean oilseed quality fair. Emerged wheat good. Winter wheat planted 95%, 98% 1982, 95% average; emerged 80%, 85% 1982, 65% average. Soybeans dropping leaves 100%, 100% 1982, 100% average; harvested 90%, 95% 1982, 85% average. Corn harvested 65%, 70% 1982, 55% average. Days favorable 2.0. Pasture condition fair to good. Soil moisture 57% adequate, 43% surplus.

OKLAHOMA: Temperatures averaged from 3° below normal southeast to 1° above normal southwest.

Rainfall ranged from none west central, east central, and south central to 0.04 in. north central.

Wheat improved substantially due to recent heavy rains followed by above normal temperatures. Some replanting of wheat necessary. Row crop harvesting at standstill in many localities. Pasture and range improved due to moisture and now in good to fair condition. Livestock remain in good condition. Wheat planted: 85%, 80% 1982, 90% average; emerged: 70%, 45% 1982, 65% average. Sorghum harvested: 45%, 45% 1982, 45% average. Cotton open bolls: 85%, 90% 1982, 95% average; harvested: 10%, 1% 1982, 15% average.

OREGON: Weekend rainfall 0.60 in. west of Cascades; less than 0.30 in. east. Remainder of week was dry. Temperatures 4° above normal except in south central, which was 6° above normal.

Winter wheat 86% seeded compared with 91% last year and average of 88%. About 60% emerged versus 54% in 1982 and 61% on average. Harvest of potatoes and onions complete. Filbert harvest also complete. Walnut harvest winding down, yields below last year but quality good. Cranberry harvest nearly complete, yields also low but crop very good to excellent in quality. Sugarbeets and corn for grain still being harvested in Malheur County. Soil moisture mostly adequate. Range and pasture condition good with some improvement due to recent rains. Livestock condition good.

PENNSYLVANIA: Normal fall temperatures. The State average of 46° was just 1° below the normal. The week started quite warm but by 30th many places had low's in the 20's. Extremes were 75 and 16°. Precipitation in the west was very light during the week, but in the southeast heavy rains on 24th dumped over 2.00 in. in a few locations. The State average was 0.82 in., 0.16 in. above normal.

Days suitable: 4.0. Moisture mostly adequate. Activities: Plowing; seeding wheat; seeding cover crops; making hay; repairing equipment; fixing fences; and harvesting grain corn, soybeans, cabbage, apples and grapes. Soybeans 43% harvested, last year 44%. Corn for grain 49% harvested; last year 39%; average 47%. Fall plowing 93% complete; last year average virtually complete. Wheat 93% planted, last year virtually complete. Fourth crop alfalfa 90% harvested, last year 76%. Quality of hay made fair to poor. Feed from pastures average to below average.

PUERTO RICO: Island average rainfall 1.42 in. or 0.34 in. below normal. Highest weekly total 4.43 in. Highest 24-hour total 2.07 in. Temperature averaged about 82 to 81° on coasts and 77 to 75° Interior Divisions. Mean station temperature ranged from 83.9 to 69.9° Extremes 95 and 61°.

SOUTH CAROLINA: First part wet with Statewide precipitation, heaviest amounts in northeast. Temperatures generally above normal, although some midweek scattered frost.

Soil moisture short to adequate, 5.5 days fieldwork. Cotton 100% open boll; 90% harvested, 72% last year, 77% average; half-bale yields commonplace. Soybean leaf drop now rapid, 82% same as last year, near 85% average; 33% mature behind 48% year ago, 54% average; conditions poor to fair with 6% harvested, 13% last year, 18% average. Winter grazing fair condition, 81% planted, 88% last year, 77% average; germination good with soaking rains, 67% near, 70% last year, 59% average. Pastures improving to

fair condition and livestock fair to good condition.

SOUTH DAKOTA: Average temperatures 3 to 12° above normal. Extremes: 88 and 16°. The State was dry during the week. Precipitation totaled less than 0.10 in., and fell mostly in extreme west.

Drying conditions permitted harvest to continue at a rapid pace. Previous week's rain helped winter grain stands; however, more moisture is needed for 100% germination in western regions of State. Farm activities included fall tillage and fertilizer applications, building maintenance, hauling hay, and moving cattle. Days suitable for fieldwork: 5.1. Winter wheat planted 100%, 1982 100%, average 100%. Corn harvested 87%, 1982 21%, average 67%. Sorghum harvested 91%, 1982 34%, average 78%. Soybeans harvested 87%, 1982 68%, average 91%. Sunflowers harvested 82%, 1982 38%, average 72%. Winter wheat emerged 95%, 1982 100%, average 100%.

TENNESSEE: Temperatures averaged in the 50's but ranged from 33 to 76°. Rainfall averaged 0.50 in. east, less than 0.10 in. west and less than 0.25 in. middle.

Days suitable for fieldwork: 3.8. Soil moisture 1% surplus, 57% adequate, 39% short, 3% critically short. Corn harvested 75%, 1982 77%, average 68%. Cotton open bolls 100%, 1982 100%, average 90%; harvested 88%, 1982 85%, average 58%. Soybeans dropping leaves 100%, 1982 100%, average 100%; harvested 40%, 1982 50%, average 46%. Burley tobacco stripped 30%, 1982 43%, average 43%. Wheat sown 50%, 1982 58%, average 68%. Pastures 30% poor, 63% fair, 7% good. Livestock good.

TEXAS: Sunny, mild conditions most of State. Early week, scattered thundershowers developed Rolling Plains to Trans-Pecos. Later week, light showers falling South Plains, small area west of Pecos. Average temperatures 2° above normal Trans-Pecos, 2 to 3° below normal Upper Coast, South Texas. Normal temperatures remainder of State.

Crops: Fieldwork met delays, scattered showers, wet fields kept producers out of fields. Harvest of cotton, sorghum halted many areas, little progress Statewide. Cotton harvest progressed slowly, wet conditions Plains, Blacklands caused delays. Stripping operations virtually stopped Plains, wet conditions may further reduce yields, quality. Drying conditions essential to salvage crop. Current Statewide condition 49% of normal compared with 89% a year ago. About 2% excellent; 9% good; 53% fair and 36% poor. Sorghum harvest hampered by wet conditions; fields Plains still drying out from last week's flooding. Yields, Statewide, good, but early freezing, excess moisture Plains may reduce yields. Small grains aided by recent showers. Early planted fields emerging, showers helpful in establishing stands. Planting picking up. Soybean harvest continued. Yields varied widely. Bean fields High Plains hurt by recent flooding, yields expected to be affected. Peanut harvest active. Second crop rice harvest underway. Crop not as productive as expected, due to late planting, cool temperatures.

Cotton open bolls 92%, 83% 1982, 84% average; harvested 35%, 24% 1982, 31% average. Sorghum mature 99%, 98% 1982, 98% average; harvested for grain 88%, 85% 1982, 87% average. Wheat planted all purposes 74%, 75% 1982, 81% average; emerged 47%, 46% 1982, 61% average. Corn harvested for grain 100%, 100% 1982, 98% average. Peanuts harvested 52%, 48% 1982, 61% average. Soybeans harvested 33%, 36% 1982, 47% average. Sugarbeets harvested 34%, 52% 1982, 32% average. Pecans harvested 12%, 13% 1982, 11% average.

Sunflowers harvested 81%, 72% 1982, 73% average. Oats planted for all purposes 69%, 61% 1982, 75% average.

Commercial vegetables: Rio Grande Valley, cabbage, carrots, broccoli developing well. Harvest begun on tomatoes, bell peppers. Citrus harvest continues, fruit showing good size and quality. Coastal Bend, fall planting in full swing. Cucumbers being shipped. East Texas, sweetpotat harvest main activity. Potatoes showing excellent quality, lacked size. San Antonio-Winter Garden area, vegetable harvest underway. Cabbage, carrots making good growth. Trans-Pecos region, bell pepper harvest active. Tomatoes available soon. **Pecan** harvest gaining momentum Rio Grande Valley, South Texas. Throughout State, nuts maturing rapidly. Yields good, but quality affected by prolonged dryness.

Range and livestock: Range, pasture condition continued to improve under mild temperatures, rainfall during recent weeks helpful in restoring soil moisture. Grazing still limited most areas, but improving. Supplemental feeding continues, livestock condition remains good. Small grain pastures improving steadily.

UTAH: Scattered showers most of State. About half stations reported light to moderate accumulations. Maximum temperatures 6° above normal; minimums near normal.

Fall land preparations in full progress. Winter wheat seeding nearing completion. Potato and onion harvest continued. Apple picking, sorting, marketing continued. Livestock mostly on winter ranges.

VIRGINIA: Statewide rain first half of period with mountains getting less than other sections. Seasonally mild until scattered frost the 27th. Cold front passage the 29th followed by overnight freeze and much cooler than the 30th.

Cool temperatures and rain slowed fieldwork but raised topsoil moisture to 2% short, 70% adequate, 28% surplus. Days suitable for fieldwork declined to 2.0. Wet fields slowed corn harvest, reaching 75% complete, 78% last year and average. Soybean harvest suffered same problem and reached 17% complete, 32% last year, 28% average. Peanut digging affected less by moisture and was 62% complete, 100% last year, 94% average. Combining slowed greatly and was 38% complete, 100% last year, 88% average. Flue-cured tobacco sales active. Small grain seeding slowed but still continuing a little behind normal and in good to excellent condition. Livestock in good condition with marketing active. Pastures improved and were in fair condition.

WASHINGTON: High pressure began to build over State on 29th but some rain showers reported. Walla Walla measured 0.74 in. during morning hours. High was strong and dominated weather through most week although some drizzle and light rain observed west of Cascades. A moderately strong weather system approached 23th and some light rain reported on coast late that night.

Very little winter wheat to be seeded. In Douglas County, winter wheat crop looks good, although some fields showing stress from lack of moisture. Harvest of potato crop about complete. Grain corn harvest gaining momentum. Apple harvest almost complete. Post-harvest cleanup, rodent control and spray applications of nutrients currently in progress in fruit orchards. Fall cleanup activities also in progress in berry fields. Raspberry canning continues. Grape harvest continues. Carrots currently being harvested in Woodland area. Truck farmers

marketing pumpkins and winter squash. Winter cauliflower crop looks good going into winter. Some cattle still on pasture but most have been moved to hay fields and lower areas. Special feeder cattle sales being held. Pastures still in good condition for this time of year. Winter wheat planted: 98%, 94% 1982, 94% average; emerged: 91%, 86% 1982, 83% average.

WEST VIRGINIA: Temperatures averaged 1.5° above normal. Range 27 to 79°. Precipitation below normal in northwest, north central and southwestern areas; above normal in central, southern and northeastern areas. Range 0.17 to 2.00 in.

Soil moisture adequate. Days worked averaged 2.3. Main activities: Corn harvesting, general maintenance. Fall planting nearing completion. Corn: 100% mature, 69% harvested. Pasture in fair to poor condition.

WISCONSIN: A dry week for farmers. Scattered showers fell on 24th, 25th and 26th. Amounts were light. Seasonal temperatures 40's and 50's during the week. Highest reading of 74° at Hudson on 27th and lowest of 21° Phillips on 29th.

Workable field days 5.0. Statewide soil moisture 63% adequate, 36% surplus and 1% short. Corn 44% harvested, 25% last year, average 44%. Silo filling 92% complete, 79% last year and 98% average. Soybean acreage harvested, 59% last year 55%, average 62%. Fall plowing 35% complete, 19% last year and 29% average. Pasture condition 89% of normal.

WYOMING: Temperatures much warmer than normal. Generally dry with only few areas in central part reporting above normal precipitation. Topsoil moisture adequate 76% State. Days suitable for fieldwork: 6.0. Sugarbeet harvest windup stages most areas, normally 95% complete. Most potatoes harvested. Virtually all dry beans harvested. Corn for grain 65% harvested, normally 45% harvested. Winter wheat fair to mostly good condition. Additional moisture needed for optimum development.

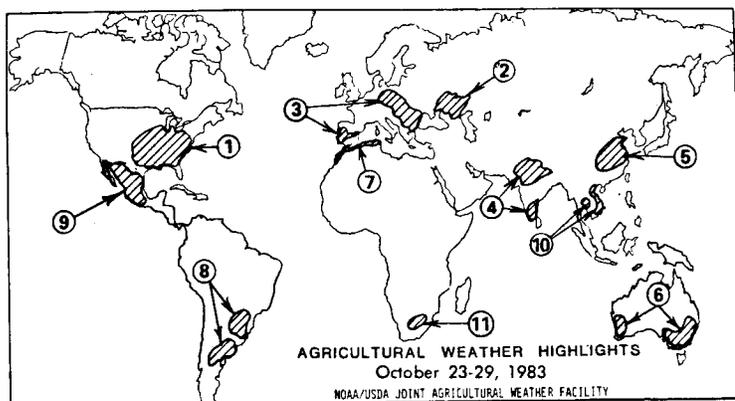
National Weather Summary (continued from front cover)

FRIDAY...After a day of record high temperatures, a drastic cooling took place in the Rockies and the central and northern Plains. High temperatures only reached the fifties and sixties in those areas. Temperatures in California, which had been unusually warm all week, again rose to the eighties in the afternoon. Light showers fell in the eastern Lakes region and the Northeast and a few showers fell in northern Kansas.

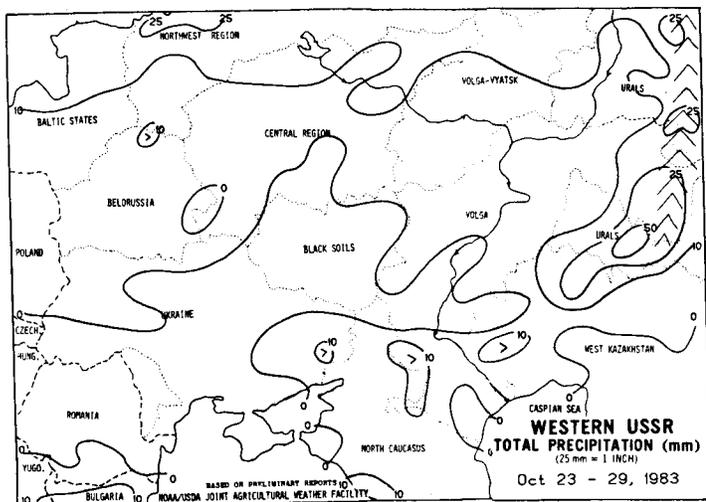
SATURDAY...Light showers spread over the entire west coast as far south as south-central California. The showers helped break the heat wave in California, but the southern part of the State stayed warm. Light to moderate showers and thunderstorms reached from northeastern Kansas into Missouri and southern Iowa. A few showers fell in central Oklahoma and western Kansas. Cool weather covered all but the southern States and morning freezes again covered the northern Plains and Rockies.

International Weather and Crop Summary

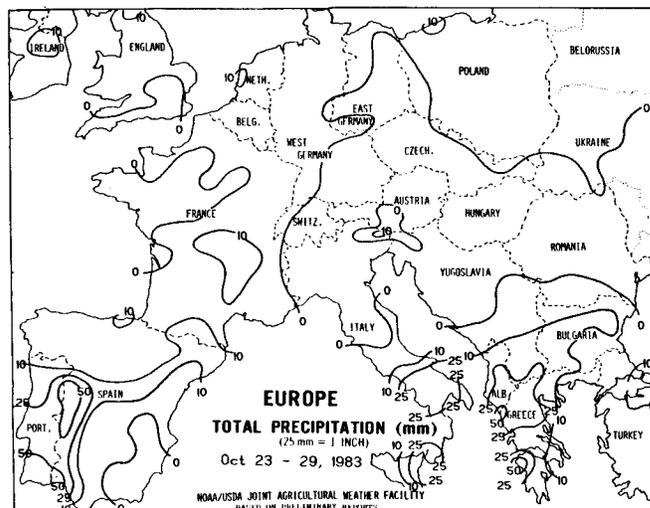
October 23 to 29



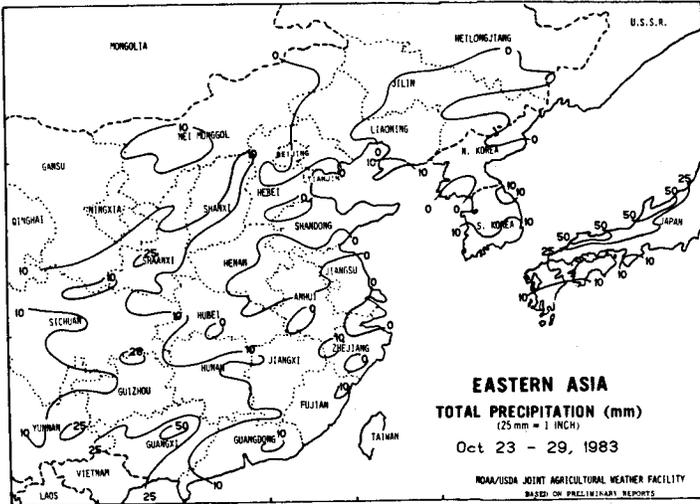
1. UNITED STATES ... Good drying conditions across most of the eastern half of the Nation allow resumption of harvesting. The previous week's rains favor winter grains and pastures.
2. WESTERN USSR ... Light, scattered showers improve moisture conditions for winter wheat in the eastern Ukraine and North Caucasus. More rain is needed in these areas.
3. EUROPE ... Showers improve topsoil moisture needed for winter grain planting in parts of the Iberian Peninsula. Additional showers are needed for winter grains in eastern Europe.
4. SOUTH ASIA ... Heavy rain along the southeastern coast may damage maturing rice in a few localized areas. The winter wheat area remains dry but adequate soil moisture exists for early growth.
5. EASTERN ASIA ... Much drier weather this week benefits central China where cotton, corn, and soybeans are being harvested. The winter wheat region is also dry, but sufficient moisture exists for early growth.
6. AUSTRALIA ... Spotty areas of rainfall help cotton planting in the east and wheat growth in the south and west. Additional rain would still enhance wheat crop prospects.
7. NORTHWEST AFRICA ... Mostly dry weather continues to delay winter grain planting in Morocco and western Algeria.
8. SOUTH AMERICA ... Dry weather in southern Brazil aids wheat harvesting and early soybean planting. Showers in Argentina's crop areas boost wheat crop prospects as well as planting and early growth of corn, sunflowers, and first-crop soybeans.
9. MEXICO ... The seasonal decrease in the rainy pattern favors harvesting over most major crop areas. However a stationary cool front triggers heavy showers across parts of the Yucatan Peninsula.
10. SOUTHEAST ASIA ... Tropical Storm Lex brought heavy rain to Vietnam. Moderate rain in south-central Thailand benefits rice in the filling stage.
11. SOUTH AFRICA ... Decreased precipitation slows planting progress. Western areas remain dry and significant moisture is needed for planting and emergence.



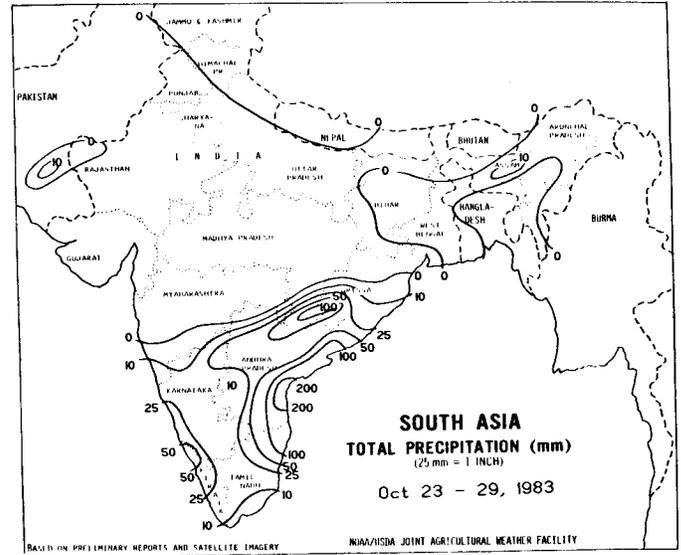
WESTERN USSR...Two frontal systems traversed the region during the week but the associated precipitation was light, except in northern West Kazakhstan and the Urals where 25 to 50 mm of rain fell. Light rain improved conditions for winter wheat in the eastern Ukraine and the North Caucasus, and created only minor harvest delays. Additional showers and mild temperatures are needed in these areas to ensure that winter wheat will become well established before entering dormancy. Winter grains over much of the region continued to add new growth as temperatures continued above normal in the north and near normal in the south.



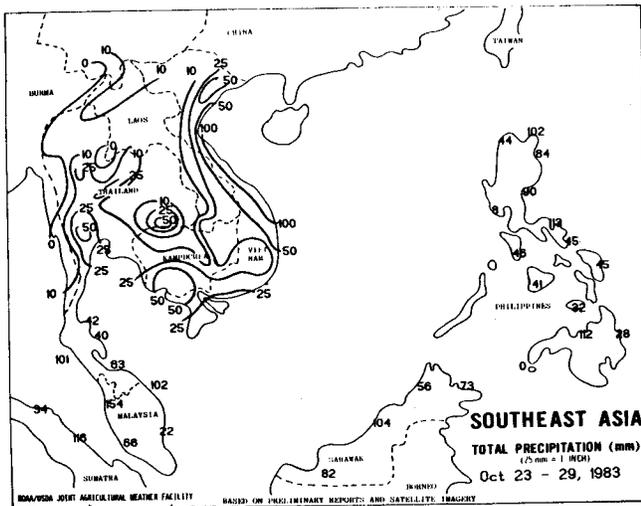
EUROPE...Fair weather covered much of the region during the week, allowing the corn, sunflower, and sugarbeet harvests to progress with few delays. Winter grain planting continued over much of Europe with mostly favorable moisture conditions for germination and early plant growth in northwestern crop areas. However, additional showers and seasonable temperatures are needed over much of eastern Europe to ensure that winter grains will become well established before dormancy. A storm system developed over Spain at the end of the week, producing beneficial rains over winter grain areas in Portugal and parts of Spain. Winter grain planting was promoted in the areas which received the heaviest amounts of rain.



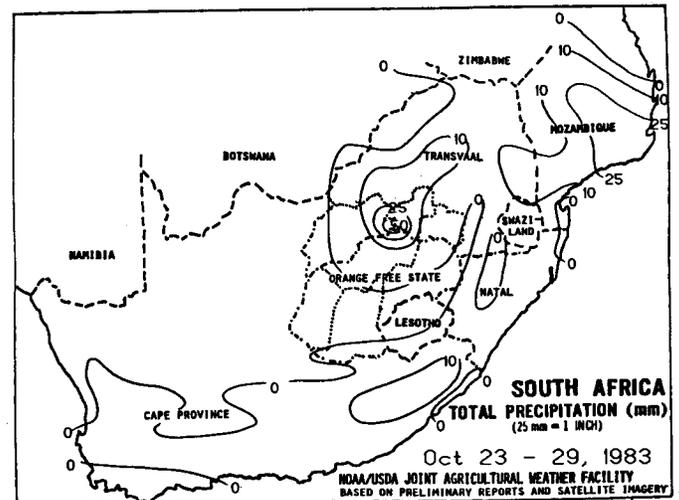
EASTERN ASIA...Central China was much drier this week, following excessive rain last week. The drier weather benefited maturing crops and harvesting in the Yangtze Valley. Little precipitation fell in the winter wheat region, however, abundant moisture exists in the southern crop area and moisture is adequate in the north for early development. Temperatures were below normal this week in most of China, but sufficiently warm for continued wheat growth and late rice development. Moderate rain in the southern region benefited late double-cropped rice in the late filling stage. Some of the late double-cropped rice should be nearing maturity now, later than usual because of earlier planting delays.



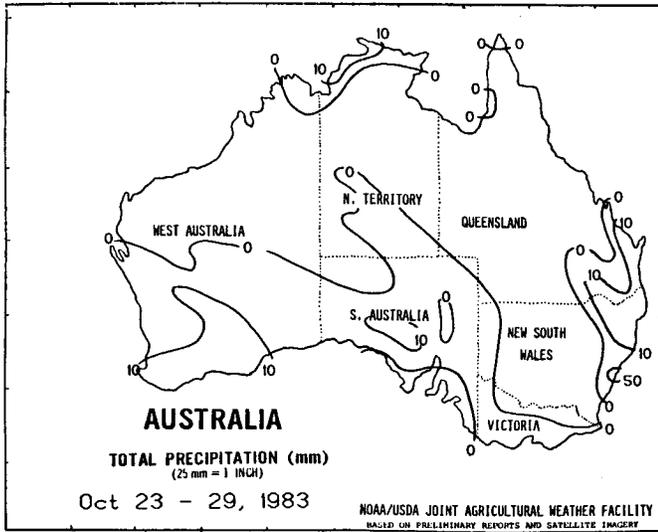
SOUTH ASIA...Heavy rain fell in peninsular India along the southeastern coast this week. Maturing rice may have been damaged in a few localized areas. Lighter amounts of rain in Andhra Pradesh, Karnataka, and Tamil Nadu benefited some later planted crops. Northern India was mostly dry, but adequate soil moisture exists in most areas for emerging winter wheat. Temperatures were below normal this week but still warm enough for early wheat growth. Mostly dry weather was beneficial for maturing cotton and groundnuts in western peninsular India. Little or no precipitation fell in the winter rice region. The crop is in the filling stage and moisture has generally been adequate.



SOUTHEAST ASIA...Tropical Storm Lex entered Indochina this week, bringing moderate to heavy rain to most of Vietnam. The storm quickly dissipated and Laos and northern Thailand remained relatively dry. Moderate rain fell in south-central Thailand, favoring late planted rice in the filling stage, but did not likely damage maturing rice. Temperatures remained near normal this week in Thailand. Moderate to heavy rain covered most of the Philippines. The moisture benefited rice which is in the late filling stage, later than usual because of earlier planting delays.



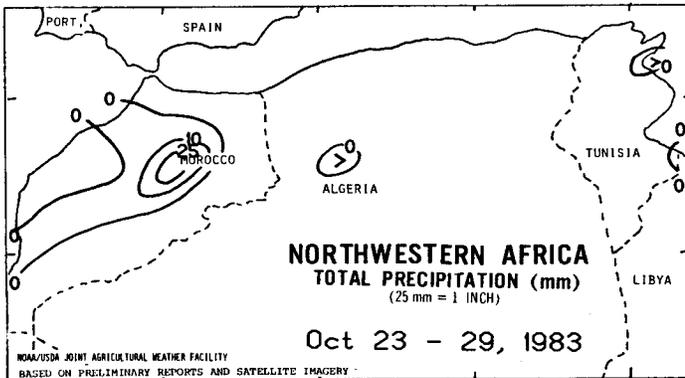
SOUTH AFRICA...Rainfall decreased in South Africa this week. Mostly light, less than 10 mm, or no precipitation fell in the Maize Triangle, following two weeks of good rain in the eastern and northern regions. A narrow band of moderate showers extended from Mozambique through part of the Maize Triangle benefiting planting efforts and emerging corn. The western crop areas remained dry and moisture is needed for planting. However, the planting season in the west can go into mid-December.



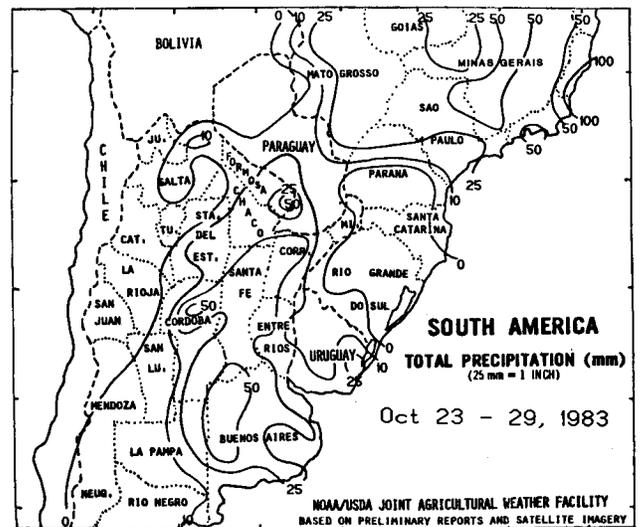
AUSTRALIA...Some showers fell over scattered portions of Australia's wheat belt but, in general, mostly dry weather prevailed. Localized areas of significant rainfall (in excess of 10 mm) were concentrated over southeastern Queensland and extreme northern New South Wales, northwestern portions of South Australia's crop area, and the southeastern extremity of Western Australia's wheat area. In the east, the showers caused no major delay in wheat harvesting and benefited cotton planting and emergence. Barley is maturing in the south, while wheat is advancing through the grain-filling stages of development throughout the south and west. A brief period of very warm weather in South Australia helped maturing barley, but also lowered topsoil moisture supplies for wheat growth. Since much of the wheat crop has about a month of growth before reaching maturity, timely rains would still enhance yield prospects.



MEXICO...The seasonal rainy pattern slowly decreased and favored harvesting across most major agricultural areas. Only light rains dotted the southern Plateau corn belt and the citrus and sugarcane areas of the northeast, and harvest interference was minimal. Scattered light showers continued across parts of the northwestern mountain watersheds, increasing irrigation supplies for next year's crops. Heavy rains doused parts of the Yucatan Peninsula as a cool front became stationary across the area.



NORTHWESTERN AFRICA...A ridge of high pressure dominated the western Mediterranean during the week, keeping most crop areas generally dry. Some showers fell on parts of Morocco, but most of the precipitation occurred in the Atlas Mountains, outside of the principal crop areas along the west coast. Crop areas in Morocco and western Algeria await the onset of autumn rains before winter wheat planting can begin. In addition, timely rains will be needed during the growing season in all crop areas to ensure favorable yield prospects.



SOUTH AMERICA...Dry weather from Rio Grande do Sul to southern Parana improved field conditions following the previous week's wet weather. The dryness aided wheat harvesting and early soybean planting. Nearly 10 percent of the soybean crop is already planted, slightly ahead of last year's pace. Wet weather from northern Parana to crop areas further north likely aided newly-emerging corn and cotton. Brazil's summer crop season is off to a generally good start. A brief period of cold weather in Argentina's wheat area dropped minimum temperatures close to freezing early in the week. Showers and thunderstorms developed late in the week and provided substantial moisture to nearly all crop areas. Recent rains have boosted wheat yield prospects. The crop ranges from early grain-filling in most major crop areas to maturing in the northernmost growing regions. Newly-emerging corn and cotton have adequate topsoil moisture for early growth, while the planting of sunflowers and first-crop soybeans have been aided by the timely early season rains.

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