

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

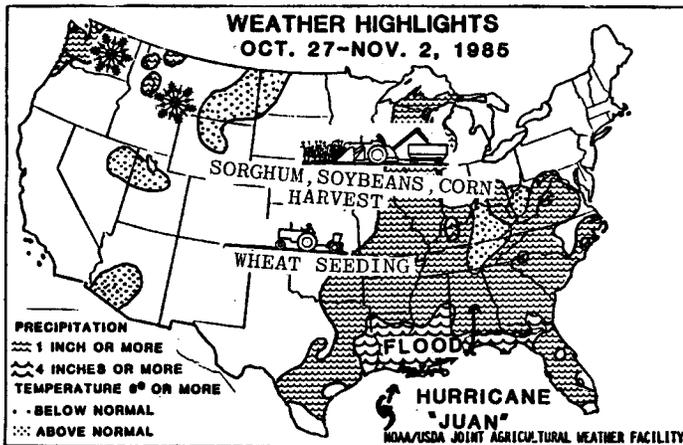
Volume 72, No. 44

WASHINGTON, D.C.

Nov. 5, 1985

National Weather Summary

October 27 to November 2, 1985



HIGHLIGHTS: Tropical Storm Juan, in the Gulf of Mexico, strengthened and became a hurricane on the first day of the week. The hurricane moved to the Louisiana coast and then meandered eastward until midweek when it moved northward through Alabama. Torrential rain flooded coastal areas from southeastern Texas to the Florida Panhandle. After midweek, moisture from the storm remnants caused moderate to heavy rain northward through the Great Lakes and along the east coast. Most of the Plains remained dry all week and about the first 4 days were dry in the Corn Belt. A storm moving into the Northwest brought rain to the coast and snow to the Cascades and northern Rockies.

SUNDAY...Tropical Storm Juan, in the Gulf of Mexico, became a hurricane as it meandered slowly toward Louisiana. Torrential rain covered the coastal area of Louisiana forcing many residents from their homes. The shield of rain from the storm was widespread reaching from eastern Texas to the Atlantic Coast and northward to the Tennessee Valley and the Carolinas. Freezing temperatures pushed southward in the Plains. Rain also fell along the northwest coast.

MONDAY...Hurricane Juan, meandering just off the Louisiana coast, continued to wreak havoc to the coastal area with heavy rain and flooding. The rain area from the storm pushed northward to northern Missouri and western Kentucky. It was not as cold in the northern Plains, but a few light showers fell there.

TUESDAY...Hurricane Juan moved erratically inland in southern Louisiana, and spread its heavy rain further north to the more productive agricultural areas. The total rain area widened to reach from eastern Texas and Oklahoma through Missouri and the Ohio Valley and the Southeast through the Carolinas.

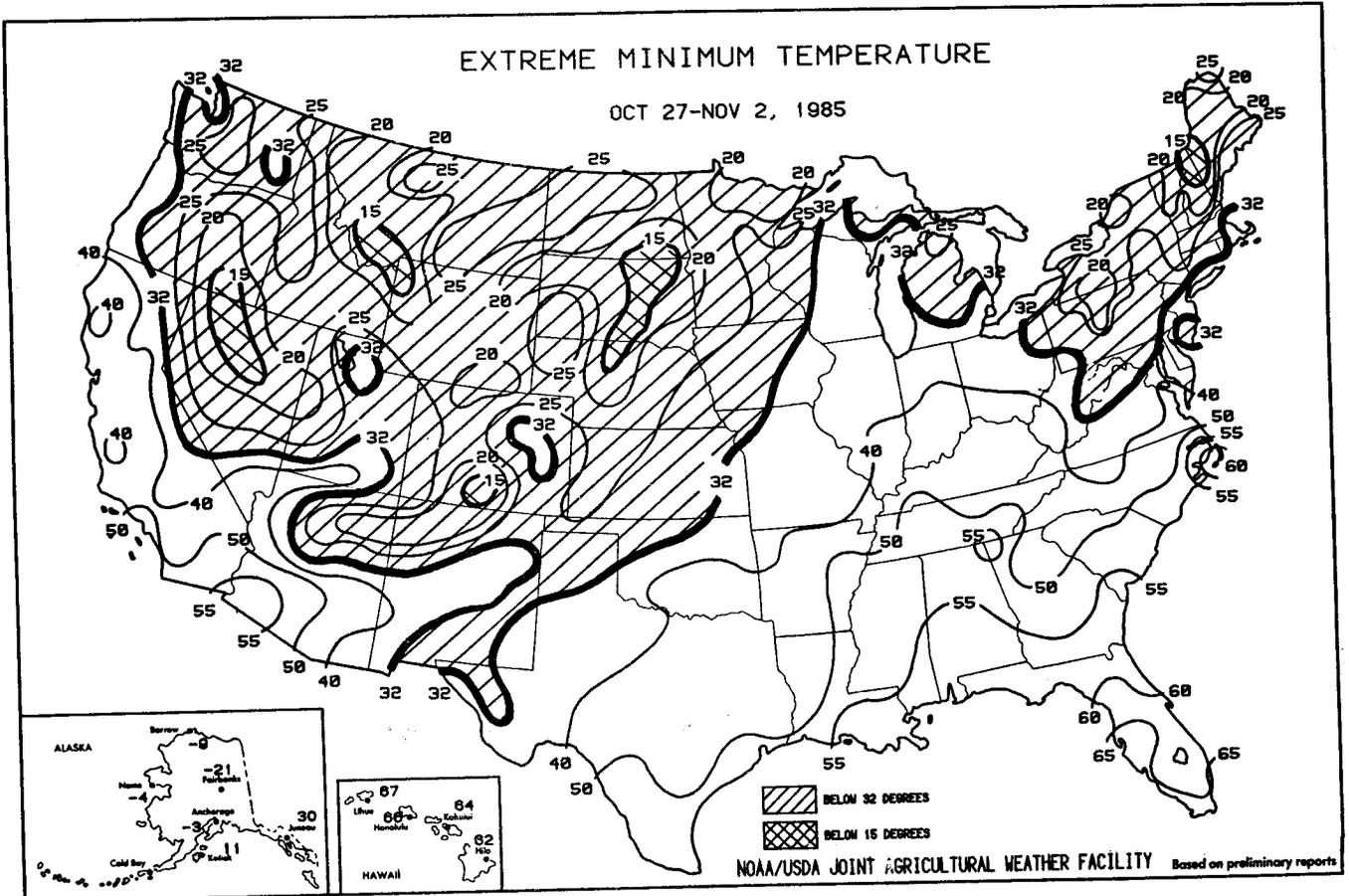
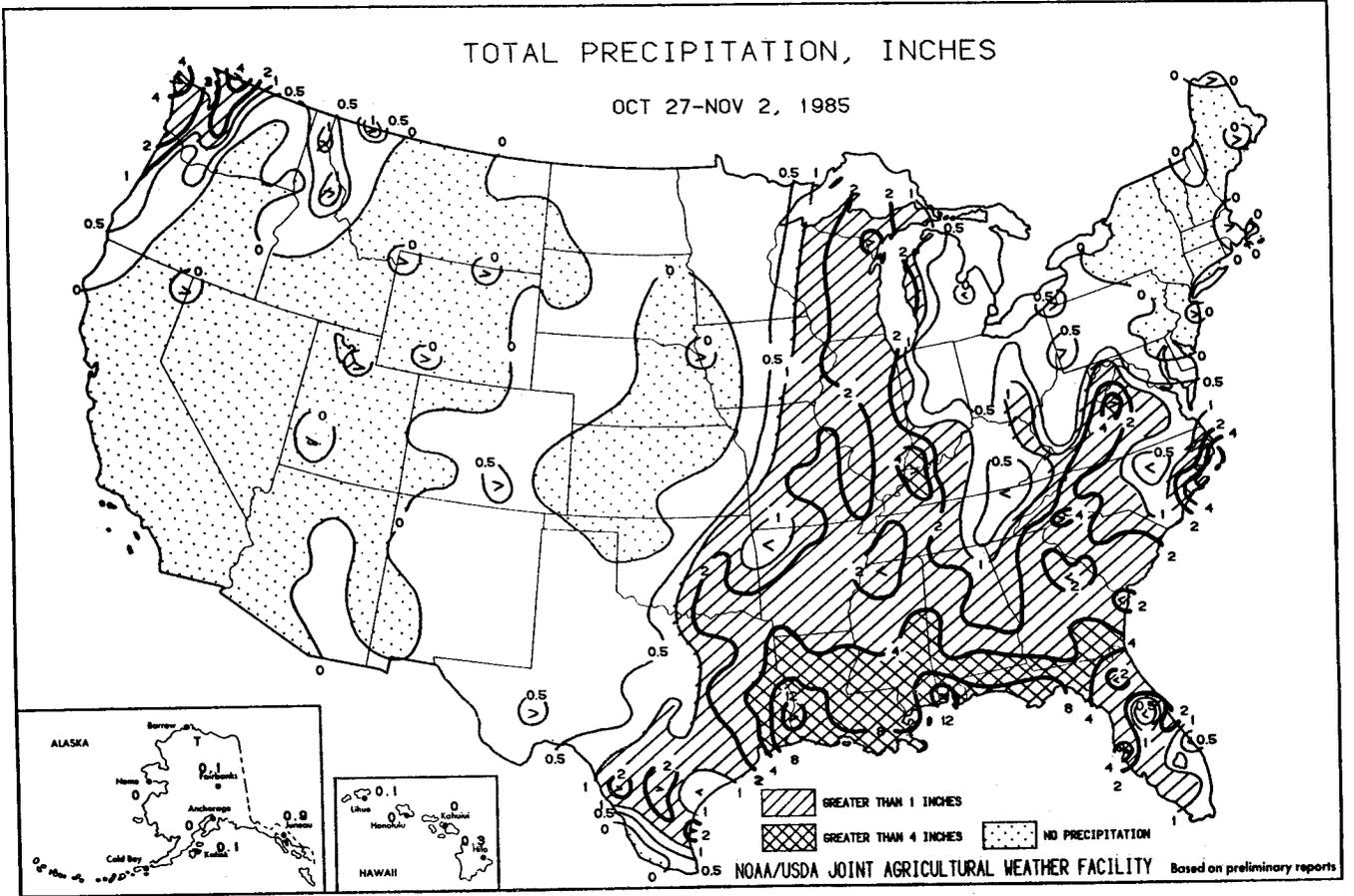
WEDNESDAY...Juan weakened to a tropical storm and continued to meander slowly along the Louisiana coast. Rain spread to the Great Lakes States and into Pennsylvania and all the Southeast. Freezing temperatures pushed southward in the Plains to western Kansas and covered New England, but warmer weather covered the western mountains. Rain moved into the Northwest.

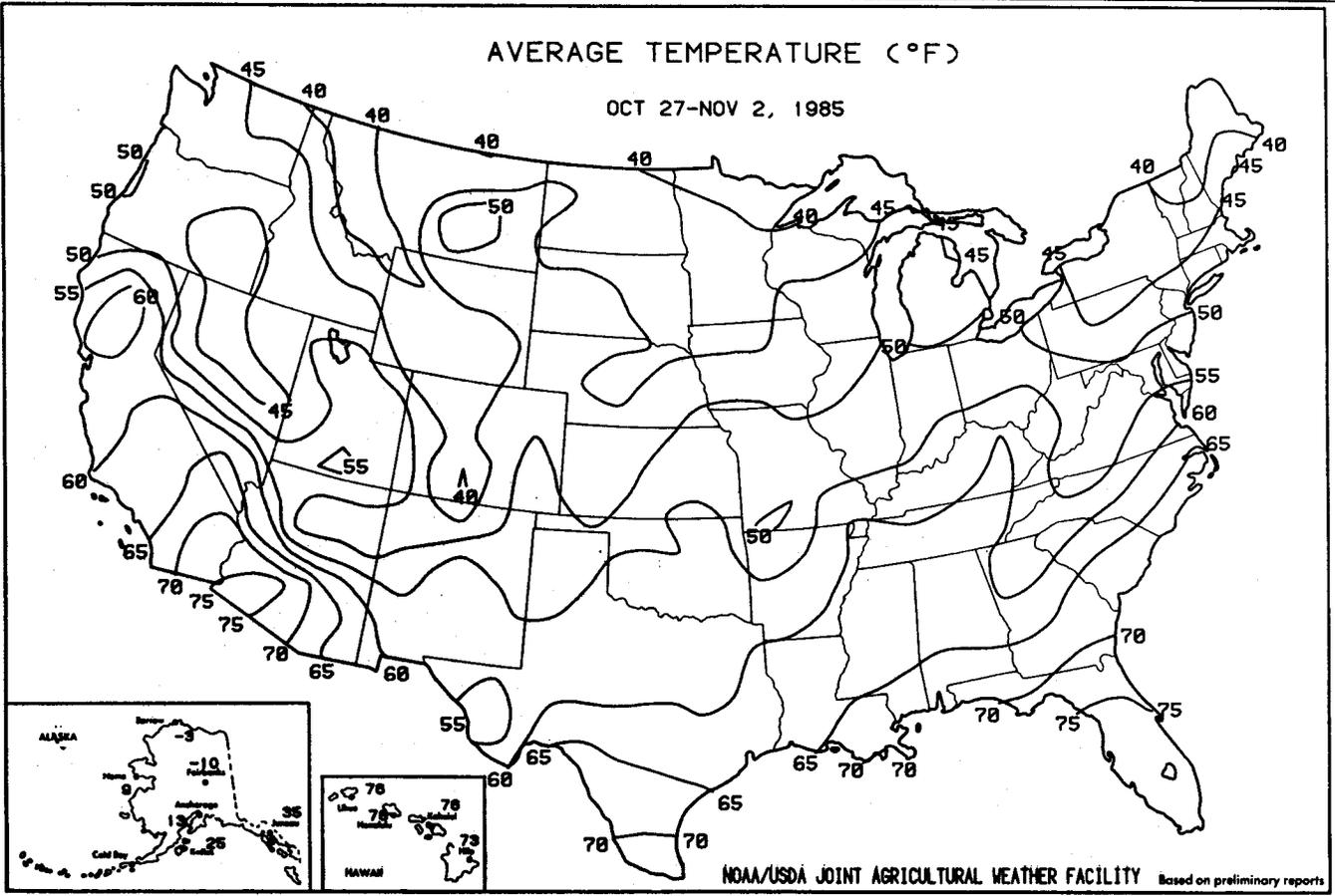
THURSDAY...Tropical Storm Juan moved to southern Alabama, relieving southern Louisiana of the torrential rain which accumulated over 10 inches in some areas. Moderate to heavy rain and thunderstorms reached from southern Mississippi and Florida to western Virginia. Part of the moisture from the storm caused heavy showers in the middle and upper Mississippi Valley. A frontal system, moving out of the mountains triggered showers from Arizona to western Texas and northward to the Dakotas. Still another storm was off the northwest coast.

FRIDAY...A blocking high pressure system off the east coast and tremendous amounts of moisture accounted for a widespread area of rain through the Southeast to the mid-Atlantic States, the Tennessee and Ohio Valleys, and northward through the middle and upper Mississippi Valley and the Great Lakes. A new storm, moving through the Northwest triggered heavy rain along the coast and heavy snow in the Cascades and northern Rockies.

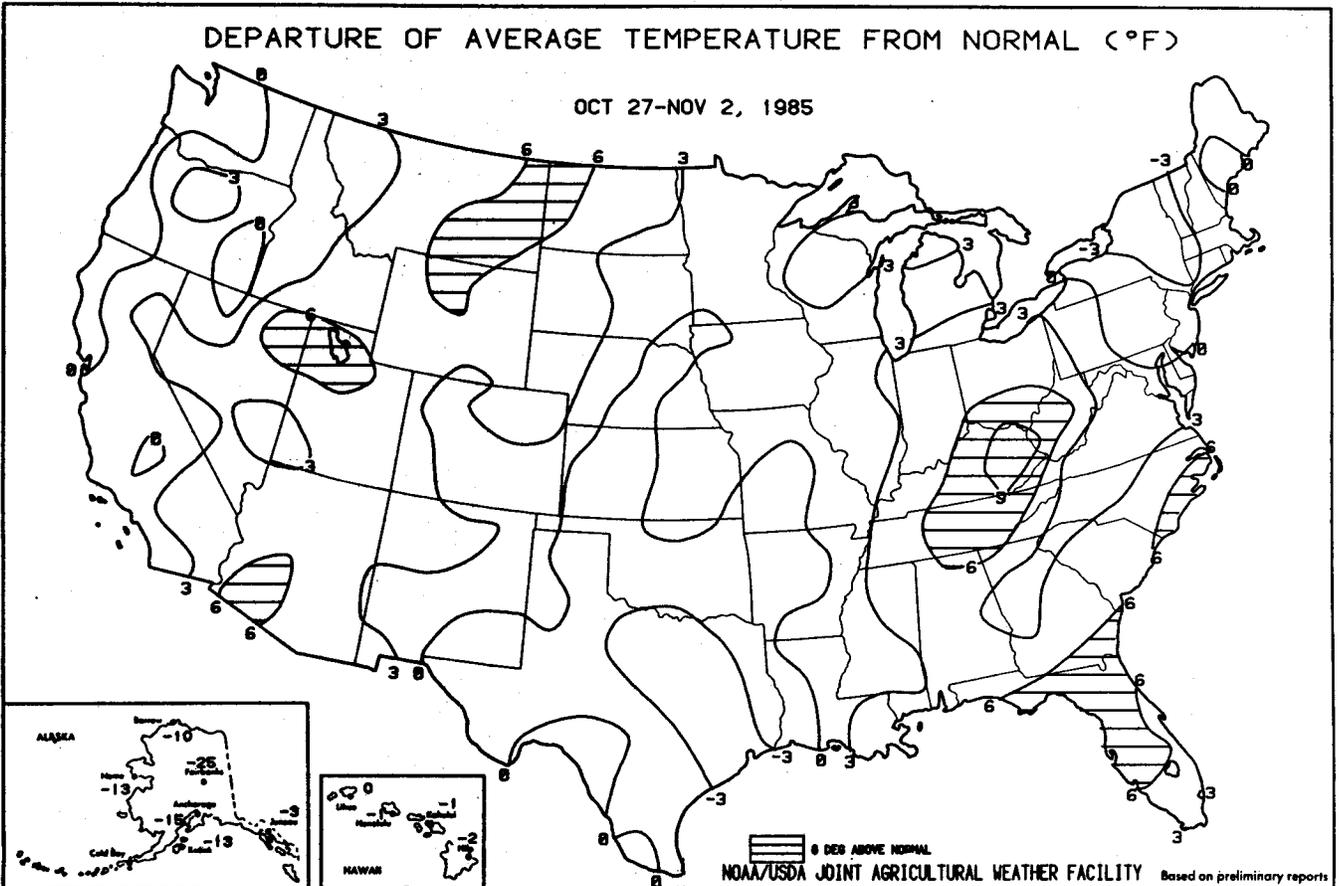
SATURDAY...Rain covered much of the East from southeastern Texas through Florida, northward through the Tennessee and Ohio Valleys to the Great Lakes, through the East Coast States to Pennsylvania, and along the coast through New England. Rain fell in the Northwest, with snow at higher elevations, and spilled into the northern Plains.

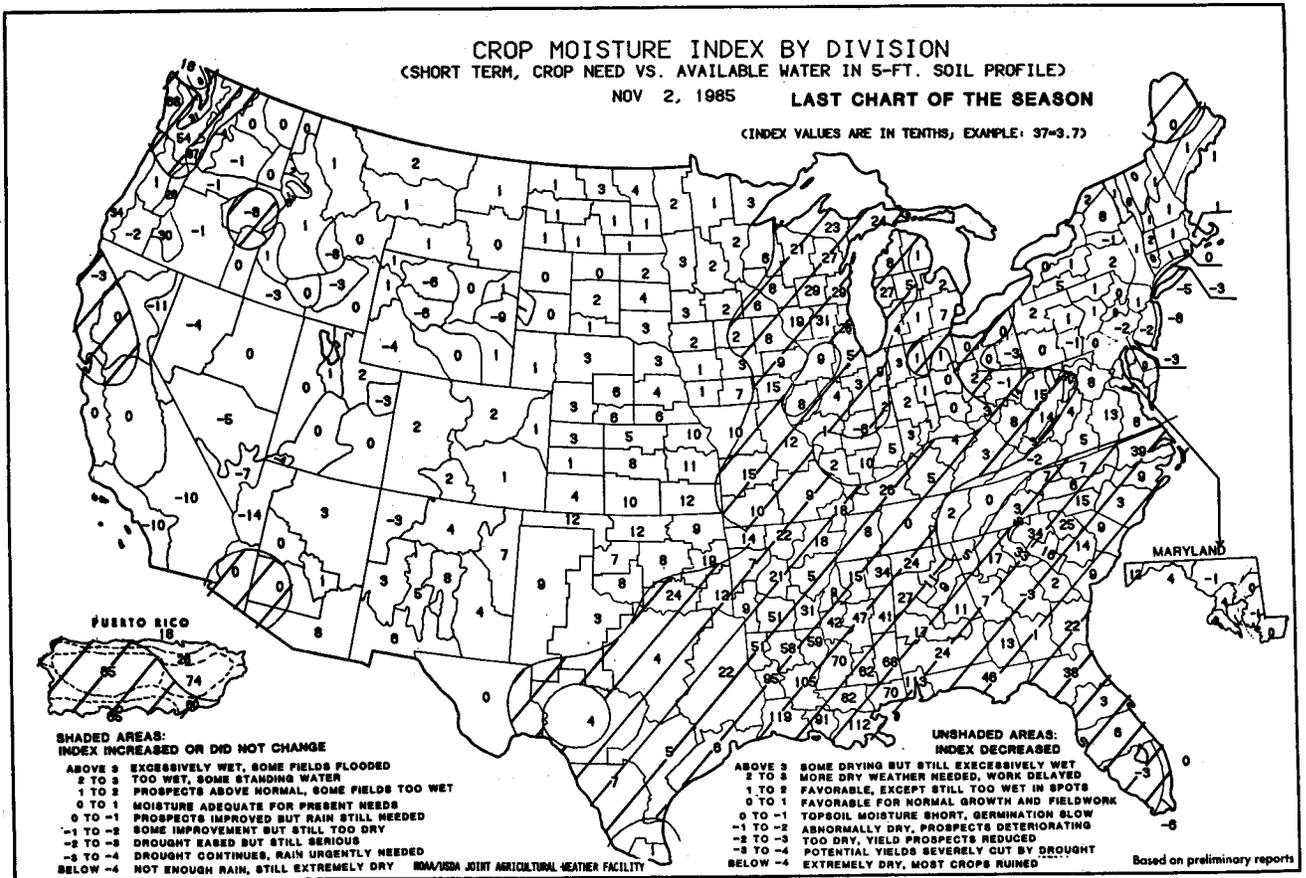
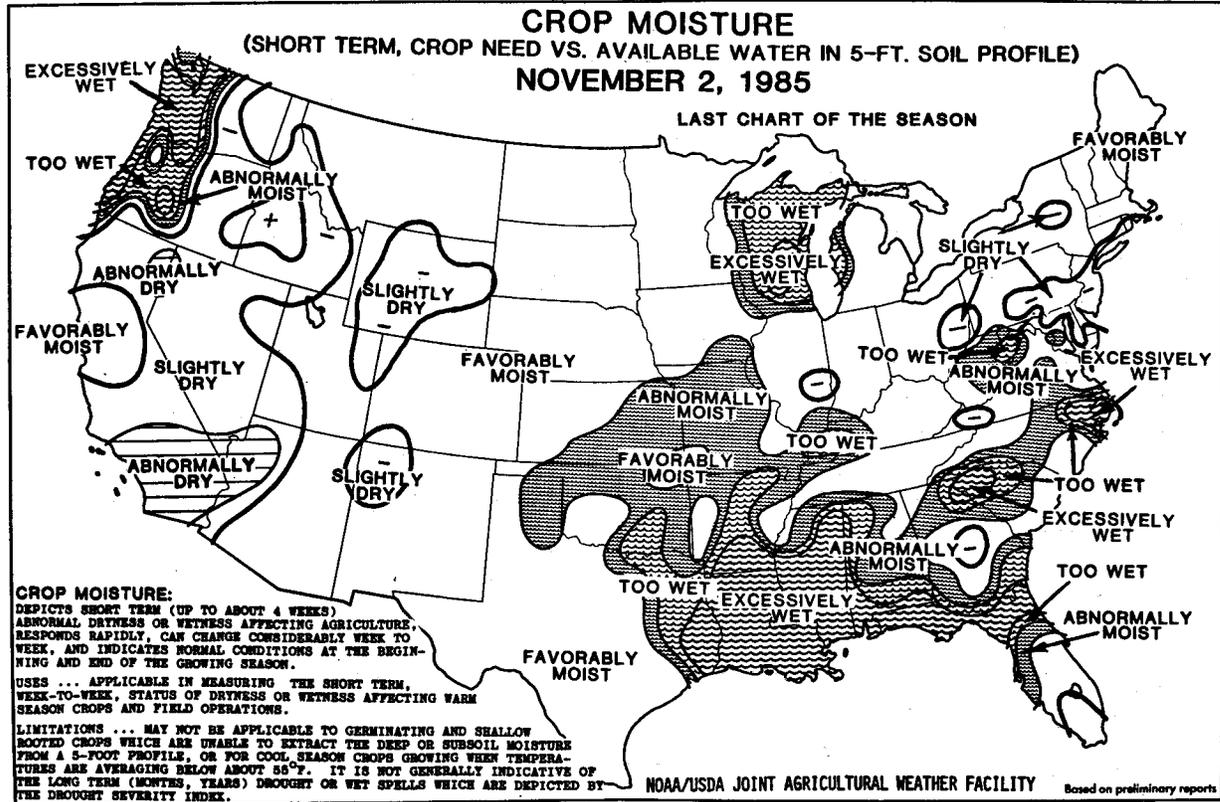
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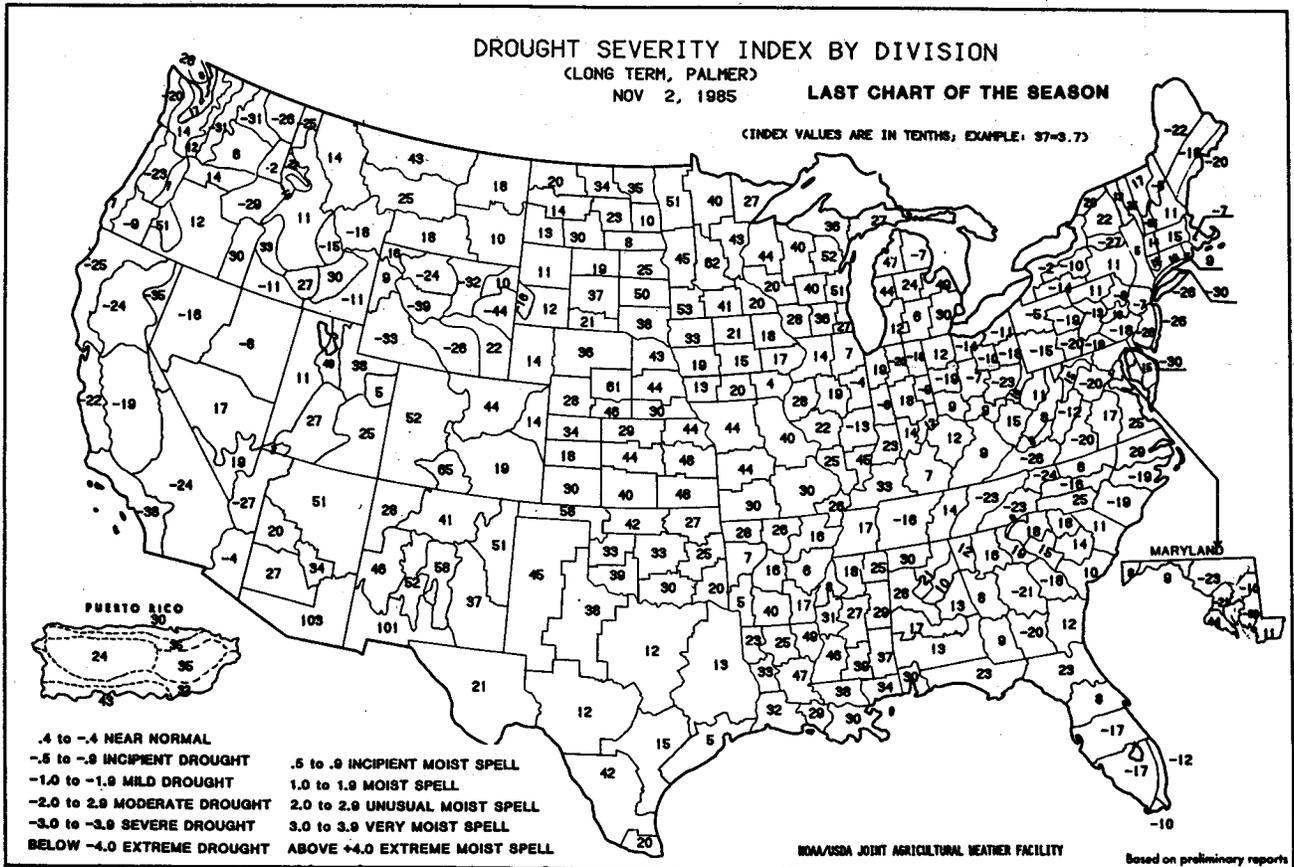
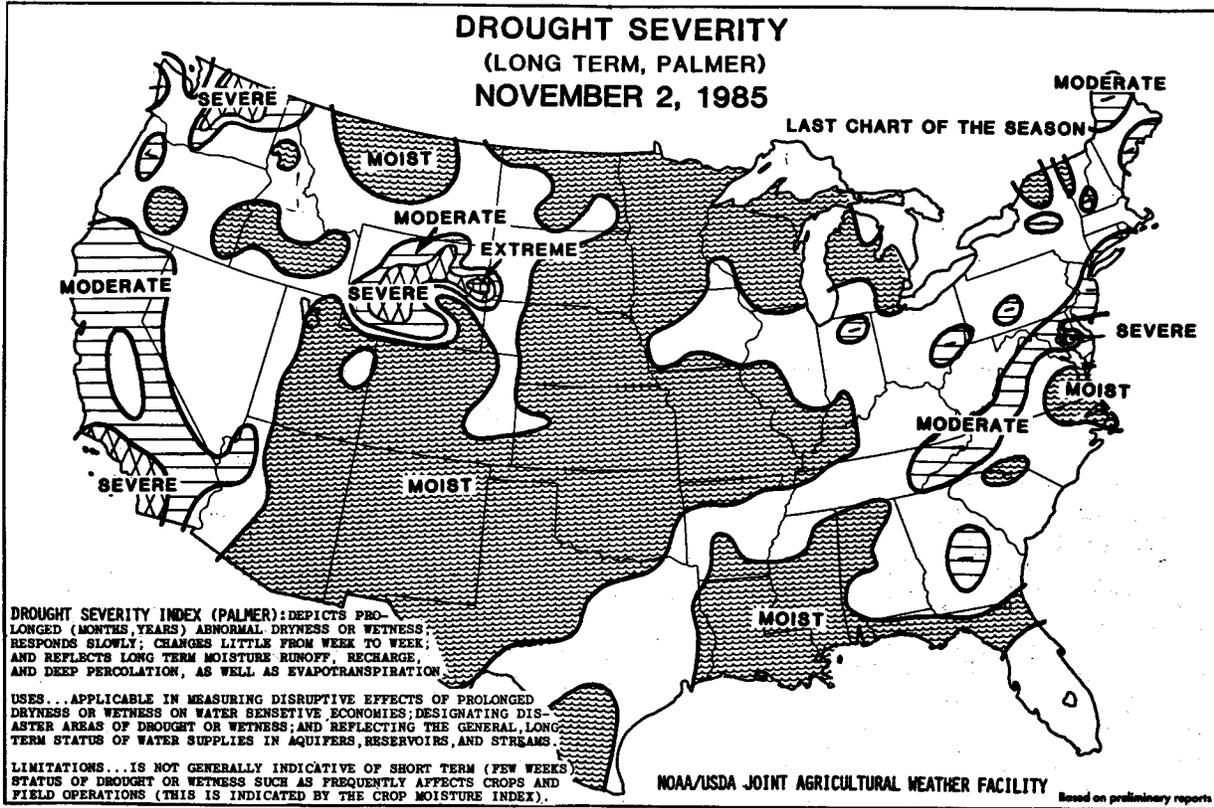




Point values may differ on these computerized maps from the reported values in the tables.



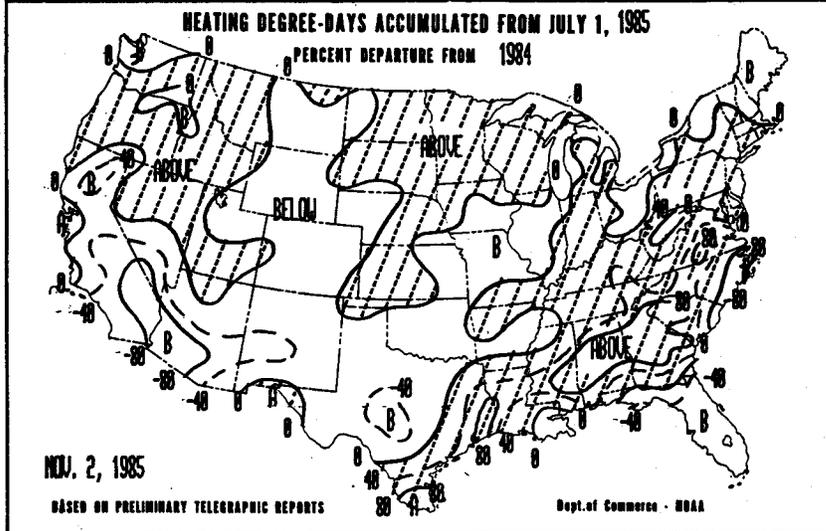
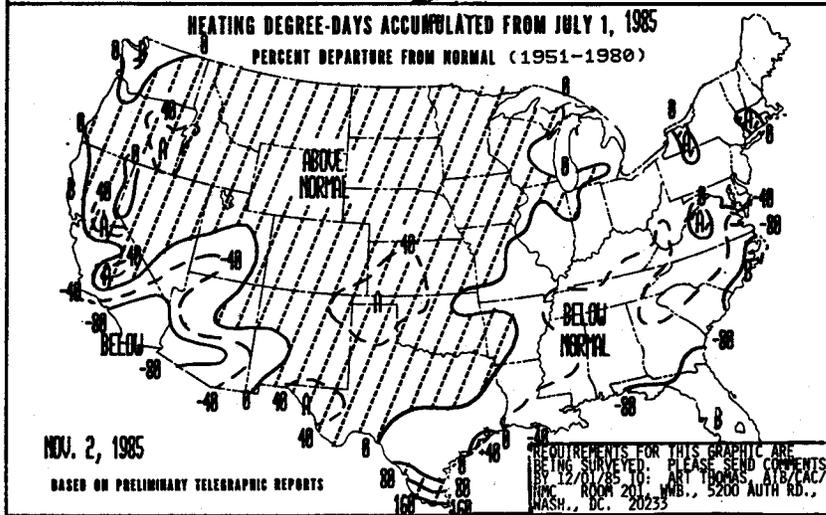
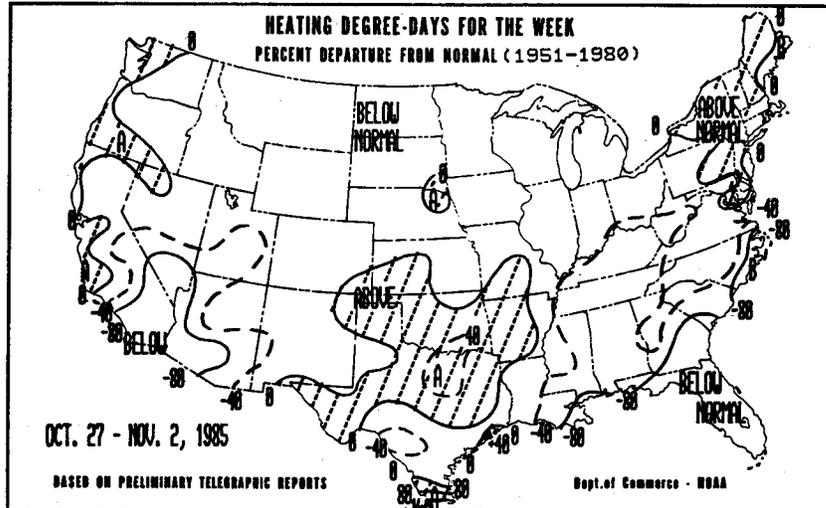




HEATING DEGREE DAY DATA WEEKLY SUMMARY
CLIMATE ANALYSIS CENTER-NHC-NWS-NOAA
ASSESSMENT AND INFORMATION SERVICES CENTER-NWS-NOAA

LAST DATE OF DATA COLLECTION PERIOD IS 11-2-1985
ACCUMULATIONS ARE FROM JULY
** - NORMAL LESS THAN 100 OR RATIO INCALCULABLE

Table with columns: STATE CITY, CALL WEEK, WEEK WEEK, CUM CUM CUM CUM CUM, FROM FROM FROM FROM FROM, L YR L YR L YR L YR L YR, DEVI DEVI DEVI DEVI DEVI, FROM FROM FROM FROM FROM, L YR L YR L YR L YR L YR, DEVI DEVI DEVI DEVI DEVI, FROM FROM FROM FROM FROM, L YR L YR L YR L YR L YR. Rows list various cities and their corresponding weather data.



REQUIREMENTS FOR THIS GRAPHIC ARE BEING SURVEYED. PLEASE SEND COMMENTS BY 12/01/85 TO: ART THOMAS, AIB/CAC/NMC ROOM 201, WWB., 5200 AUTH ROAD, WASHINGTON, DC. 20233.

Weather Data for the Week Ending November 2, 1985

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE SEPT. 1	PCT. NORMAL SINCE SEPT. 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	65	56	72	54	61	4	2.2	1.6	1.0	7.8	109	44.8	97	94	70	0	0	6	2
MOBILE	72	62	80	56	67	4	12.0	11.5	5.0	23.7	254	64.1	115	97	73	0	0	6	5
AK ANCHORAGE	68	59	76	56	64	4	1.8	1.3	.8	7.4	103	40.2	97	97	73	0	0	6	2
BARROW	20	6	26	-3	13	-15	T	-3	T	4.2	97	14.0	107	80	45	0	7	0	0
FAIRBANKS	2	-8	5	-9	-3	-10	T	0	T	1.0	89	3.3	77	86	78	0	7	0	0
JUNEAU	38	32	40	30	35	-10	T	0	T	3.7	197	10.8	120	82	67	0	7	0	0
KODIAK	31	18	38	11	25	-13	T	-7	T	10.5	72	31.5	74	93	64	0	3	2	0
NOME	17	1	25	-4	9	-13	T	-2	T	8.5	233	18.9	143	81	48	0	7	0	0
AZ PHOENIX	86	60	95	52	73	6	T	-1	T	2.5	187	5.4	93	68	22	0	0	0	0
PRESCOTT	70	39	78	31	55	5	T	-3	T	1.9	67	11.5	72	69	28	3	0	1	0
TUCSON	84	54	91	45	69	4	T	-1	T	3.2	141	11.8	123	64	18	0	0	0	0
YUMA	90	62	94	59	76	6	T	-1	T	1.6	293	2.0	95	51	16	2	2	4	0
AR FORT SMITH	61	48	73	38	54	-2	T	0	T	8.5	127	38.9	115	93	61	0	0	0	0
LITTLE ROCK	61	52	70	48	54	-1	2.7	2.0	1.6	13.4	198	40.1	104	89	67	0	0	4	2
CA BAKERSFIELD	73	49	79	45	61	-2	T	-1	T	.4	89	2.4	53	87	46	0	0	0	0
EUREKA	58	46	66	41	52	-1	.1	-9	.1	5.2	132	17.3	65	90	72	0	0	2	0
FRESNO	74	49	80	46	62	2	0	0	0	1.3	197	4.7	61	87	45	0	0	0	0
LOS ANGELES	72	58	81	54	65	2	0	-2	0	.6	134	4.1	46	86	53	0	0	0	0
RED BLUFF	75	48	80	42	62	2	0	-5	0	2.3	131	7.8	52	81	32	0	0	0	0
SACRAMENTO	75	46	83	42	60	1	0	-4	0	1.0	81	5.4	45	94	35	0	0	0	0
SAN DIEGO	72	60	82	55	66	0	T	-2	T	.5	79	2.8	41	83	53	0	0	0	0
SAN FRANCISCO	67	49	77	47	58	1	T	-4	T	.9	64	7.8	56	93	53	0	0	0	0
CO DENVER	63	36	75	32	50	4	4.4	.2	.4	3.1	137	14.5	104	73	26	0	2	2	0
GRAND JUNCTION	64	39	72	30	51	4	T	.1	.2	1.0	59	11.9	118	83	27	0	6	1	0
PUEBLO	66	30	79	26	48	1	2.2	-1	.2	4.1	248	10.5	152	75	31	0	0	0	0
CT BRIDGEPORT	56	39	68	33	48	-4	T	.1	T	1.0	59	11.9	118	83	27	0	6	1	0
HARTFORD	57	32	74	27	44	-3	T	-8	T	3.1	45	29.0	85	66	38	0	0	0	0
DC WASHINGTON	61	47	69	37	54	-1	.1	-8	T	6.1	79	29.5	81	82	29	0	4	0	0
FL APALACHICOLA	77	66	83	57	72	6	9.3	-5	.1	10.6	168	30.8	93	80	49	0	0	2	0
DAYTONA BEACH	83	66	86	56	74	5	2.6	1.8	1.3	14.7	128	42.9	98	98	69	0	0	6	2
JACKSONVILLE	78	66	81	58	72	7	3.8	3.3	1.6	25.6	237	53.2	110	98	73	0	0	6	2
KEY WEST	86	76	87	70	81	3	.9	-1	.9	9.5	82	37.3	107	88	65	0	0	2	1
MIAMI	87	71	88	64	79	3	1.0	-2	.9	13.6	88	51.2	96	90	50	0	0	0	0
ORLANDO	86	69	89	63	77	6	.3	-2	.2	7.9	92	42.7	96	98	58	0	0	4	0
TALLAHASSEE	75	64	86	57	70	6	7.8	7.2	3.8	10.3	105	50.2	88	97	73	0	0	3	0
TAMPA	84	70	88	63	77	6	3.6	3.3	2.7	14.2	164	43.0	100	94	61	0	0	6	2
WEST PALM BEACH	87	70	89	63	78	4	.6	-7	.3	12.3	70	45.9	84	93	53	0	0	5	1
GA ATLANTA	63	54	70	48	59	2	1.8	1.2	1.1	8.6	146	43.6	106	94	70	0	0	3	0
AUGUSTA	70	60	75	53	65	6	1.8	1.4	1.0	6.9	122	29.1	77	91	62	0	0	6	1
MACON	67	58	72	52	63	2	2.7	2.3	1.1	5.6	104	29.5	76	98	74	0	0	5	3
SAVANNAH	73	62	80	57	68	5	1.6	1.3	.7	4.2	55	32.7	73	94	76	0	0	5	1
HI HILO	79	66	80	62	73	-2	.3	-2	-1	18.3	104	104.6	103	89	64	0	0	0	0
HONOLULU	85	71	86	66	78	-1	T	-6	T	6.1	228	14.6	86	80	49	0	0	0	0
KAHULUI	83	69	85	64	76	-1	T	-4	T	3.9	287	10.3	69	86	56	0	0	0	0
LIHUE	81	71	82	67	76	0	.1	-1	.1	5.4	76	22.4	67	84	61	0	0	2	0
ID BOISE	60	34	76	27	47	1	T	-2	T	2.6	189	8.2	89	85	37	0	3	0	0
LEWISTON	56	38	74	28	47	1	T	-3	T	2.4	130	8.8	85	86	46	0	2	0	0
POCATELLO	59	33	73	24	46	4	0	0	0	1.9	116	8.2	90	80	35	0	4	0	0
IL CHICAGO	56	42	64	36	49	2	3.0	2.6	2.7	9.7	169	33.3	114	92	53	0	0	3	1
MOLINE	56	38	65	32	47	0	2.4	1.9	1.4	11.2	171	33.6	101	88	47	0	1	0	0
PEORIA	58	42	66	37	50	3	2.1	1.6	1.2	8.9	142	34.8	112	86	48	0	0	2	2
QUINCY	56	42	67	37	49	0	1.7	1.1	1.0	8.4	110	30.3	89	89	48	0	0	3	2
ROCKFORD	56	40	62	36	48	2	2.9	2.3	1.7	11.9	176	34.0	104	90	54	0	0	3	2
SPRINGFIELD	59	44	69	39	52	2	1.3	.8	.8	4.1	72	29.9	100	88	55	0	0	3	1
IN EVANSVILLE	61	49	75	47	55	4	4.4	3.7	2.0	10.1	189	38.6	111	95	66	0	0	4	3
FORT WAYNE	59	44	68	37	51	4	.3	-3	.2	5.3	100	28.1	95	88	56	0	0	3	0
INDIANAPOLIS	62	46	73	41	54	5	.3	-4	.2	4.7	87	35.4	106	90	58	0	0	3	0
SOUTH BEND	59	43	64	37	51	4	.5	-2	.3	5.7	86	30.4	93	86	50	0	0	2	0
IA DES MOINES	57	40	64	31	48	1	.3	-1	.3	9.2	171	25.5	90	82	40	0	1	2	0
SIoux CITY	58	33	64	26	46	0	T	-3	T	5.7	132	21.8	92	86	40	0	3	1	0
KS WATERLOO	56	35	61	30	46	2	.8	-4	.6	8.6	146	27.3	90	91	44	0	1	2	0
CONCORDIA	60	40	68	31	50	0	T	-3	T	5.4	110	24.8	98	84	43	0	2	0	0
DODGE CITY	60	37	65	28	48	-2	0	-2	0	6.3	199	21.5	111	90	45	0	2	0	0
GOODLAND	61	33	69	25	47	1	T	-1	T	2.9	121	21.1	138	91	37	0	2	0	0
TOPEKA	60	43	73	29	52	1	T	-5	T	13.4	209	41.9	137	89	45	0	1	0	0
WICHITA	62	44	69	31	53	0	T	-4	T	11.5	190	31.3	119	88	52	0	1	1	0
KY BOWLING GREEN	64	53	74	49	59	7	1.4	.7	.6	8.0	128	35.1	86	98	70	0	0	5	1
LEXINGTON	63	51	72	45	58	7	.8	-2	.5	6.4	112	31.9	82	92	61	0	0	5	0
LOUISVILLE	64	52	72	48	57	5	1.2	.5	1.0	5.9	95	32.5	88	-93	63	0	0	4	1
LA ALEXANDRIA	66	58	73	49	62	-1	7.6	6.5	2.2	22.3	321	58.5	129	93	78	0	0	6	7
BATON ROUGE	70	61	78	57	66	3	5.3	4.6	2.2	16.5	227	55.2	117	95	80	0	0	6	3
LAKE CHARLES	67	58	75	50	63	-2	8.7	8.0	4.0	15.6	176	46.9	106	94	77	0	0	6	7
NEW ORLEANS	73	64	79	59	69	4	7.6	7.0	3.9	19.0	218	61.2	121	92	71	0	0	6	4

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending November 2, 1985

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS						
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE SEPT. 1	PCT. NORMAL SINCE SEPT. 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	PRECIPITATION			
																		.01 INCH OR MORE	.50 INCH OR MORE		
ME SHREVEPORT	64	55	71	48	60	-2	4.8	4.1	1.9	14.5	236	43.9	121	97	77	0	0	6	3		
ME CARIBOU	44	29	59	25	37	-2	1	-1.7	T	3.8	56	23.4	77	71	45	0	6	0	0		
ME PORTLAND	56	33	73	25	45	1	1	-1.0	T	7.0	95	25.3	73	67	30	0	0	0	0		
MD BALTIMORE	61	43	69	29	52	0	0	-1.7	T	8.7	129	31.2	88	83	44	4	1	0	0		
MD SALISBURY	62	45	70	33	54	1	1	-1.6	T	8.1	103	32.0	83	92	54	0	0	0	0		
MA BOSTON	56	40	77	35	48	-2	2	-1.7	T	4.8	68	29.0	82	71	40	0	0	0	0		
MA CHATHAM	55	41	64	37	48	-2	2	-1.9	T	4.6	60	36.8	98	91	48	0	0	0	0		
MI ALPENA	54	35	59	25	45	3	3	-1.4	T	5.9	117	28.0	113	112	11	0	4	1	0		
MI DETROIT	57	43	64	36	50	4	4	-1.3	T	6.6	147	33.2	126	75	45	0	0	0	0		
MI FLINT	57	39	62	31	48	3	3	-1.5	T	11.7	253	35.9	143	89	49	0	2	1	0		
MI GRAND RAPIDS	56	38	62	31	47	2	2	-1.3	T	9.9	159	34.5	119	91	54	0	2	3	1		
MI HOUGHTON LAKE	55	36	65	26	46	4	4	-1.2	T	8.1	157	28.3	119	86	44	0	3	1	0		
MI LANSING	56	37	62	31	47	2	2	-1.5	T	6.7	138	29.7	118	90	54	0	3	1	0		
MI MARQUETTE	50	32	57	25	41	3	3	2.0	T	1.6	14.0	44.7	140	98	56	0	4	1	5		
MI MUSKOGON	57	39	63	32	48	2	2	1.7	T	1.2	10.6	180	34.9	133	91	49	0	1	3	2	
MI SAULT STE. MARIE	53	36	58	23	45	5	5	-1.1	T	-1.8	6.0	32.0	115	87	41	0	3	1	3		
MN ALEXANDRIA	52	31	61	22	42	2	2	-1.3	T	3	5.1	120	22.3	98	88	42	0	4	1	2	
MN DULUTH	46	31	52	20	39	1	1	-1.1	T	7.9	141	28.9	108	96	58	0	4	2	1	1	
MN INT'L FALLS	49	26	59	18	37	2	2	-1.3	T	4.9	98	28.2	127	94	46	0	7	2	2	0	
MN MINNEAPOLIS	54	35	59	30	44	1	1	-1.3	T	0	8.1	181	28.8	119	84	45	0	3	0	0	
MN ROCHESTER	52	33	57	27	43	1	1	-1.6	T	4	8.2	155	24.3	93	90	51	0	3	3	0	
MS GREENWOOD	67	57	74	51	62	3	3	3.1	T	1.0	10.6	167	33.1	76	95	77	0	0	0	0	
MS JACKSON	65	58	72	53	61	2	2	3.9	T	1.8	11.4	178	43.5	100	100	80	0	0	6	6	
MS MERIDIAN	66	58	74	54	62	3	3	5.0	T	1.6	12.9	204	47.1	106	97	86	0	0	6	4	
MO CAPE GIRARDEAU	62	49	73	44	55	-1	-1	2.6	T	2.0	9.9	40.6	109	95	66	0	0	0	0	3	
MO COLUMBIA	58	43	74	34	51	0	0	1.7	T	1.1	5.0	70	42.2	131	90	50	0	3	1	0	
MO KANSAS CITY	59	43	71	30	51	1	1	-1.1	T	-1.2	16.7	227	47.6	147	88	47	0	1	0	0	
MO SAINT LOUIS	60	46	77	39	53	1	1	1.8	T	1.2	8	37.7	129	89	47	0	0	3	2	2	
MO SPRINGFIELD	57	43	74	33	50	-2	-2	1.9	T	1.3	6.7	88	41.3	121	94	56	0	3	2	0	
MT BILLINGS	63	39	79	29	51	8	8	-1.2	T	2.8	113	11.2	83	55	23	0	1	0	0	0	
MT GLASGOW	57	28	70	21	43	4	4	-1.1	T	1.5	102	11.7	107	85	32	0	4	0	0	0	
MT GREAT FALLS	57	34	71	27	45	4	4	-1.2	T	4.3	227	15.4	112	66	43	0	4	0	0	0	
MT HAVRE	58	30	73	22	44	4	4	-1.1	T	3.9	252	10.0	97	74	32	0	5	0	0	0	
MT HELENA	55	29	71	18	42	3	3	-1.1	T	2.9	188	8.0	78	83	33	0	6	0	0	0	
MT KALISPELL	48	29	64	20	38	2	2	-1.1	T	1.1	5.1	235	12.5	95	94	58	0	6	2	0	0
MT MILES CITY	61	36	71	30	49	8	8	-1.2	T	2.1	103	11.2	88	71	30	0	2	0	0	0	0
MT MISSOULA	49	28	64	19	39	0	0	-1.1	T	4.4	231	11.6	104	94	54	0	6	2	0	0	0
NE GRAND ISLAND	58	34	68	25	46	0	0	-1.1	T	7.7	212	27.8	127	92	44	0	4	0	0	0	0
NE LINCOLN	59	37	67	26	48	0	0	-1.3	T	5.8	123	29.9	118	84	39	0	2	0	0	0	0
NE NORFOLK	58	31	65	23	45	0	0	-1.2	T	5.6	159	24.4	108	85	37	0	4	0	0	0	0
NE NORTH PLATTE	61	28	67	18	44	1	1	-1.1	T	4.4	169	17.5	95	83	31	0	6	1	0	0	0
NE OMAHA	58	39	66	29	48	2	2	-1.4	T	4.8	85	21.0	75	72	46	0	1	0	0	0	0
NE SCOTTSDUFF	63	31	76	26	47	3	3	-1.0	T	3.7	203	9.7	71	85	29	0	3	1	0	0	0
NE VALENTINE	60	31	70	11	46	3	3	-1.1	T	3.5	154	14.0	85	88	31	0	3	1	0	0	0
NV ELY	62	25	70	16	44	4	4	-1.1	T	3.3	245	7.8	101	85	26	0	7	0	0	0	0
NV LAS VEGAS	79	52	84	46	66	5	5	-1.1	T	-1.2	25	9	26	36	16	0	0	0	0	0	0
NV RENO	68	31	75	27	50	4	4	-1.1	T	1.1	167	3.2	56	80	19	0	5	0	0	0	0
NV WINNEMUCA	63	22	73	14	43	-1	-1	-1.1	T	7	73	3.6	57	68	21	0	7	0	0	0	0
NH CONCORD	56	29	74	18	42	0	0	-1.8	T	7.4	115	24.7	83	81	30	0	5	0	0	0	0
NJ ATLANTIC CITY	62	40	69	26	51	0	0	-1.8	T	3.2	52	25.2	72	87	39	0	2	1	0	0	0
NM ALBUQUERQUE	66	43	74	32	55	4	4	0	T	3.8	214	10.5	144	84	31	0	1	2	0	0	0
NM CLOVIS	64	41	72	29	52	-1	-1	-1.3	T	7.7	203	27.5	171	88	46	0	1	1	0	0	0
NM ROSWELL	70	43	78	31	57	1	1	-1.1	T	2.9	106	12.4	136	90	39	0	1	1	0	0	0
NY ALBANY	54	30	69	24	42	-4	-4	-1.7	T	5.0	78	22.8	76	85	38	0	5	0	0	0	0
NY BINGHAMTON	54	34	69	26	44	0	0	-1.7	T	7.3	112	26.8	86	72	29	0	3	0	0	0	0
NY BUFFALO	57	36	67	25	46	0	0	-1.6	T	5.1	78	31.5	103	74	32	0	2	1	0	0	0
NY NEW YORK	58	45	70	37	52	-1	-1	-1.8	T	5.4	78	29.3	82	69	36	0	0	0	0	0	0
NY ROCHESTER	54	34	65	23	44	-3	-3	-1.6	T	4.8	89	21.5	82	85	36	0	3	0	0	0	0
NY SYRACUSE	54	30	64	22	42	-5	-5	-1.8	T	7.3	110	25.5	78	87	44	0	5	0	0	0	0
NC ASHEVILLE	60	50	70	44	55	4	4	1.9	T	1.2	8	31.1	76	93	60	0	0	0	3	2	3
NC CHARLOTTE	64	53	74	44	59	1	1	2.3	T	1.7	103	40.6	109	86	62	0	0	0	4	3	2
NC GREENSBORO	62	47	67	39	54	1	1	1.9	T	1.2	1.5	3.8	54	90	63	0	0	0	3	1	1
NC HATTERAS	73	64	77	60	68	8	8	8.2	T	7.1	5.3	25.1	121	95	69	0	0	0	4	4	4
NC NEW BERN	71	59	77	51	65	6	6	2.8	T	2.2	2.0	15.6	167	94	70	0	0	0	4	2	0
NC RALEIGH	65	51	71	42	58	3	3	-1.1	T	4	2.4	39	30.2	84	85	62	0	0	3	0	0
NC WILMINGTON	75	60	81	53	67	7	7	1.3	T	7	5.7	64	36.4	78	92	67	0	0	4	1	0
ND BISMARCK	56	26	72	22	41	3	3	-1.1	T	0	2.7	120	16.6	115	90	40	0	7	2	0	0
ND FARGO	54	28	66	20	41	3	3	-1.1	T	1	2.5	78	17.5	96	84	39	0	5	3	0	0
ND GRAND FORKS	54	26	66	16	40	3	3	-1.1	T	1	2.6	81	15.5	92	85	38	0	6	1	0	0
ND WILLISTON	58	32	74	25	45	3	3	-1.1	T	2.9	135	11.4	89	86	30	0	3	3	2	0	0
OH AKRON-CANTON	59	41	70	31	50	3	3	-1.2	T	1	2.4	44	26.8	87	89	44	0	3	3	0	0
OH CINCINNATI	62	49	76	44	56	6	6	-1.1	T	6.8	120	35.3	103	93	58	0	0	0	4	0	0
OH CLEVELAND	59	44	66	36	51	3	3	-1.2	T	2	5.6	101	30.0	100	74	44	0	0	3	0	0
OH COLUMBUS	63	45	74	38	54	6	6	1.0	T	7	3.9	26.9	84	77	45	0	0	3	0	1	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending November 2, 1985

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Sept. 1	PCT. NORMAL SINCE Sept. 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERA- TURE OF		PRECIPI- TATION	
																90 AND ABOVE	52 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	62	45	73	37	54	5	.3	-.2	.2	3.6	80	25.7	87	75	48	0	0	4	0
TOLEDO	59	44	68	34	51	5	.1	-.4	0	5.6	122	30.8	114	84	49	0	0	3	0
YOUNGSTOWN	58	40	70	27	49	2	.2	-.4	.2	4.0	68	28.6	90	80	42	0	0	2	0
OK OKLAHOMA CITY	62	46	75	36	54	-2	.3	-.2	.2	9.9	159	40.3	142	87	51	0	0	2	0
TULSA	64	47	77	38	56	-1	1.2	.5	1.1	9.6	120	43.6	126	89	47	0	0	2	1
OR ASTORIA	55	42	59	30	49	-1	1.8	0	.7	12.1	122	33.6	69	97	72	0	0	1	1
BURNS	57	25	68	20	41	-1	0	0	0	1.9	125	6.4	105	—	—	0	0	6	2
MEDFORD	58	36	68	30	47	-2	.1	-.5	0	3.0	116	7.8	57	99	56	0	0	3	0
PENDLETON	56	37	66	27	47	0	0	0	0	3.0	183	7.9	87	75	42	0	0	3	0
PORTLAND	58	43	67	34	51	0	.4	-.5	.3	5.5	111	16.3	62	94	61	0	0	3	0
SALEM	57	40	67	28	49	0	.4	-.7	.2	4.4	84	16.2	58	94	63	0	0	2	0
PA ALLENTOWN	57	36	68	30	47	-2	.0	-.7	0	10.7	146	37.4	101	77	37	0	0	0	0
ERIE	58	42	67	28	50	3	0	-.2	.6	8.1	108	32.9	101	71	32	0	2	1	1
HARRISBURG	58	41	70	34	50	0	0	-.7	0	5.1	77	26.7	81	74	40	0	0	0	0
PHILADELPHIA	60	42	69	31	51	0	0	-.7	0	7.3	113	28.2	81	74	40	0	1	0	0
PITTSBURGH	58	41	70	32	50	2	.6	.1	.5	3.1	57	25.7	82	82	36	0	0	3	1
SCRANTON	56	35	70	25	46	-1	0	-.6	0	9.7	154	33.8	114	74	30	0	3	0	1
RI PROVIDENCE	58	36	73	29	47	-2	0	-.9	0	3.6	47	32.2	87	77	36	0	3	1	0
SC CHARLESTON	71	61	77	53	66	5	3.1	2.6	1.1	8.0	99	44.5	96	99	78	0	0	5	3
COLUMBIA	69	59	77	50	64	6	1.6	1.2	1.3	8.8	127	41.2	95	91	70	0	0	3	3
FLORENCE	71	58	78	52	65	6	1.7	1.3	.9	4.0	61	27.6	71	91	65	0	0	3	2
GREENVILLE	63	52	73	42	57	2	2.9	2.2	1.7	7.9	98	37.7	86	87	63	0	0	4	2
SD ABERDEEN	55	25	69	12	40	0	0	-.2	0	3.6	141	16.5	99	88	34	0	5	0	0
HURON	57	27	70	16	42	0	0	-.3	0	4.3	154	21.9	125	89	36	0	6	0	0
RAPID CITY	62	32	81	27	47	4	0	-.1	0	2.6	136	10.6	69	72	29	0	4	0	0
SIoux FALLS	56	28	65	21	42	0	0	-.3	0	4.1	92	24.7	109	82	36	0	6	0	0
TN CHATTANOOGA	67	58	74	55	62	8	.4	-.3	.3	5.8	78	33.9	78	93	65	0	0	4	0
KNOXVILLE	68	55	74	50	62	8	.3	-.5	.1	3.7	62	28.9	74	88	58	0	0	4	0
MEMPHIS	65	57	77	51	61	4	1.5	.9	.7	7.4	120	40.6	95	94	71	0	0	6	1
NASHVILLE	67	56	73	50	61	7	1.3	.7	.4	4.6	72	26.6	66	95	66	0	0	6	0
TX ABILENE	66	48	76	39	57	-3	.3	-.1	.3	4.1	74	21.0	99	92	47	0	0	1	0
AMARILLO	61	39	70	27	50	-3	.2	-.1	.2	8.2	262	21.9	122	95	55	0	2	1	0
AUSTIN	70	56	79	48	63	-2	.7	-.1	.5	10.5	147	27.4	100	86	49	0	0	3	0
BEAUMONT	68	58	75	48	63	-2	10.7	9.9	5.1	19.7	197	62.3	141	94	75	0	0	6	5
BROWNSVILLE	81	59	86	51	70	-2	.2	-.3	.2	10.3	115	31.6	137	88	42	0	0	1	0
CORPUS CHRISTI	77	58	83	51	68	-2	.8	-.4	.4	12.6	133	34.2	125	85	50	0	0	2	0
DEL RIO	77	56	83	49	66	1	.8	-.5	.8	4.3	84	17.1	108	80	34	0	0	2	1
EL PASO	71	43	80	32	57	-1	.1	-.1	.1	3.3	153	8.1	114	95	36	0	1	1	0
FORT WORTH	64	51	73	45	58	-5	.9	.5	.7	7.3	123	27.0	103	88	53	0	0	4	1
GALVESTON	68	58	77	53	63	-6	2.5	2.0	1.3	7.2	84	37.3	111	90	67	0	0	7	2
HOUSTON	67	57	75	49	62	-3	2.7	2.0	1.7	11.6	131	40.8	108	90	65	0	0	6	2
LUBBOCK	67	44	74	31	56	-1	0	-.3	0	8.4	211	22.7	135	93	47	0	1	2	0
MIDLAND	69	46	76	37	57	-1	.1	-.1	.1	9.1	257	16.3	128	96	46	0	0	6	0
SAN ANGELO	69	48	76	41	59	-2	.3	0	.3	8.8	170	21.7	130	95	50	0	0	1	0
SAN ANTONIO	73	56	79	44	64	-1	1.6	1.0	.8	10.3	151	37.7	147	79	44	0	0	2	0
VICTORIA	72	57	78	50	65	-3	.5	.1	.4	5.9	61	36.5	112	85	53	0	0	2	2
WACO	64	52	73	44	58	-5	.5	-.2	.2	10.4	162	27.6	102	93	57	0	0	5	0
WICHITA FALLS	65	46	78	38	55	-3	.6	-.2	.4	5.2	85	29.4	121	85	47	0	0	3	0
UT BLANDING	63	37	71	30	50	5	0	-.3	0	4.8	195	13.5	141	79	37	0	2	0	0
GEDAR CITY	65	34	74	25	49	4	.1	-.1	.1	2.4	137	8.9	102	81	26	0	2	1	0
SALT LAKE CITY	63	42	72	35	53	4	0	-.3	0	3.6	170	13.0	102	75	38	0	0	1	0
VT BURLINGTON	50	29	64	24	40	-6	3	0	0	6.5	105	27.9	98	77	41	0	5	0	0
VA NORFOLK	66	56	75	44	61	4	.9	.2	.5	10.7	134	38.7	98	84	59	0	0	3	1
RICHMOND	64	48	71	35	56	2	1.3	.4	1.0	11.3	150	42.9	114	81	51	0	0	3	1
ROANOKE	61	45	70	39	53	3	3.2	2.4	1.2	7.2	105	38.7	114	80	51	0	0	4	3
WA COLVILLE	50	31	65	23	41	1	.3	-.1	.2	4.1	194	11.2	85	88	69	0	3	2	0
QUILLAYUTE	52	40	54	29	46	-1	4.7	1.9	1.7	22.1	133	51.2	68	100	80	0	1	7	4
SEATTLE-TACOMA	54	43	63	32	48	0	1.5	.5	.9	8.2	143	19.6	73	93	64	0	1	6	1
SPOKANE	52	33	65	25	43	0	.2	-.1	.1	3.1	162	8.3	67	90	44	0	4	3	0
YAKIMA	59	30	70	20	44	0	0	-.1	0	1.6	189	3.9	67	87	40	0	6	0	0
WV BECKLEY	60	46	71	41	53	6	.1	-.5	.1	2.2	36	28.2	78	81	42	0	0	3	0
CHARLESTON	70	51	77	41	61	10	.2	-.5	.1	4.4	76	29.9	82	71	36	0	0	2	0
HUNTINGTON	68	52	76	45	60	6	1.2	.6	1.0	6.6	117	36.3	104	85	50	0	0	4	1
PARKERSBURG	65	47	74	39	56	3	.4	-.1	.3	5.7	112	26.0	72	80	47	0	0	3	0
WI GREEN BAY	52	38	57	33	45	6	2.9	2.5	2.2	8.9	164	34.2	137	93	62	0	0	3	1
LA CROSSE	55	38	60	32	47	2	1.2	.8	1.2	7.6	134	24.7	89	81	54	0	1	2	3
MADISON	54	36	59	32	45	2	2.9	2.5	1.9	11.5	210	33.2	120	92	57	0	2	3	2
MILWAUKEE	53	42	59	38	48	3	2.4	1.9	1.8	10.9	206	29.5	109	97	68	0	0	3	1
WAUSAU	53	37	57	33	45	4	2.6	2.2	2.0	10.9	174	31.2	109	88	49	0	0	3	2
WY CASPER	60	31	71	22	45	5	0	-.2	0	1.6	91	9.0	87	77	27	0	4	3	0
CHEYENNE	58	32	70	19	45	4	0	-.1	0	2.6	148	18.1	145	76	31	0	3	1	0
LANDER	57	31	68	23	44	5	0	-.2	0	1.9	87	7.4	63	69	26	0	5	0	0
SHERIDAN	61	28	75	21	45	4	.1	-.1	.1	3.0	124	10.2	76	87	32	0	6	1	0
PR SAN JUAN	88	74	89	71	81	0	.2	-.1	.2	16.5	135	37.9	86	97	65	0	0	2	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

October Weather and Crop Summary

OCTOBER WEATHER SUMMARY

HIGHLIGHTS: The coldest weather of the season spread through the Plains as far south as the Texas Panhandle at the beginning of the month. Fortunately, snow covered the ground in most of the cold area. In the second week of the month, the remnants of Hurricane Waldo, from the Pacific Ocean spread moisture northward and triggered severe showers and thunderstorms from western Texas and New Mexico northeastward into Michigan. Torrential rain fell from Lubbock, Texas area to southern Iowa. The month was colder than normal in the West; and the northern and central Plains, and warmer in the East. As the month ended, Hurricane Juan, in the Gulf of Mexico, meandered along the coast of Louisiana and spread torrential rain from southeastern Texas to the Florida Panhandle.

FIRST WEEK... Snow was on the ground through the Rockies and High Plains as far south as the Texas Panhandle, and eastward into Nebraska. Cold weather spread throughout the Plains and moved eastward. A broad area of showers and thunderstorms moved eastward ahead of the cold air from eastern Texas and the Great Lakes, to the Atlantic. Strong, gusty winds blew through the northern Plains and Great Lakes region. Average temperatures for the 5-day week were much colder than normal through the Plains and Mississippi Valley, near normal along the east coast, and above normal in the Southwest.

SECOND WEEK... Snow fell from the Sierras and central Plateau through the northern Rockies into the northern Plains. As this line moved eastward it met the remnants of Hurricane Waldo which transported tremendous amounts of moisture from the Pacific Ocean into the Plains. The result was a line of heavy rain from New Mexico into Michigan. Torrential showers fell from west central Texas to northern Missouri. A few rainshowers fell along the southeastern coast. Temperatures cooled in the West, remained very cold in the central Plateau, and northern Rockies and Plains, and warmed from the southern Plains to the Great Lakes.

THIRD WEEK... Heavy rain continued as the colder air moved through the southern Plains to the lower Mississippi Valley. Severe flooding occurred in parts of Oklahoma and Texas as 4-8 inches of rain fell in local areas. Another line of light to moderate rain reached from southern Nebraska into New England. Some moderate to heavy showers and thunderstorms also fell in New Mexico and parts of Arizona. Temperatures were cooler than normal through much of the Plains and West, and normal or warmer in the East. Temperatures were as much as 9-12 degrees warmer than normal from the lower Mississippi Valley to the upper Ohio Valley.

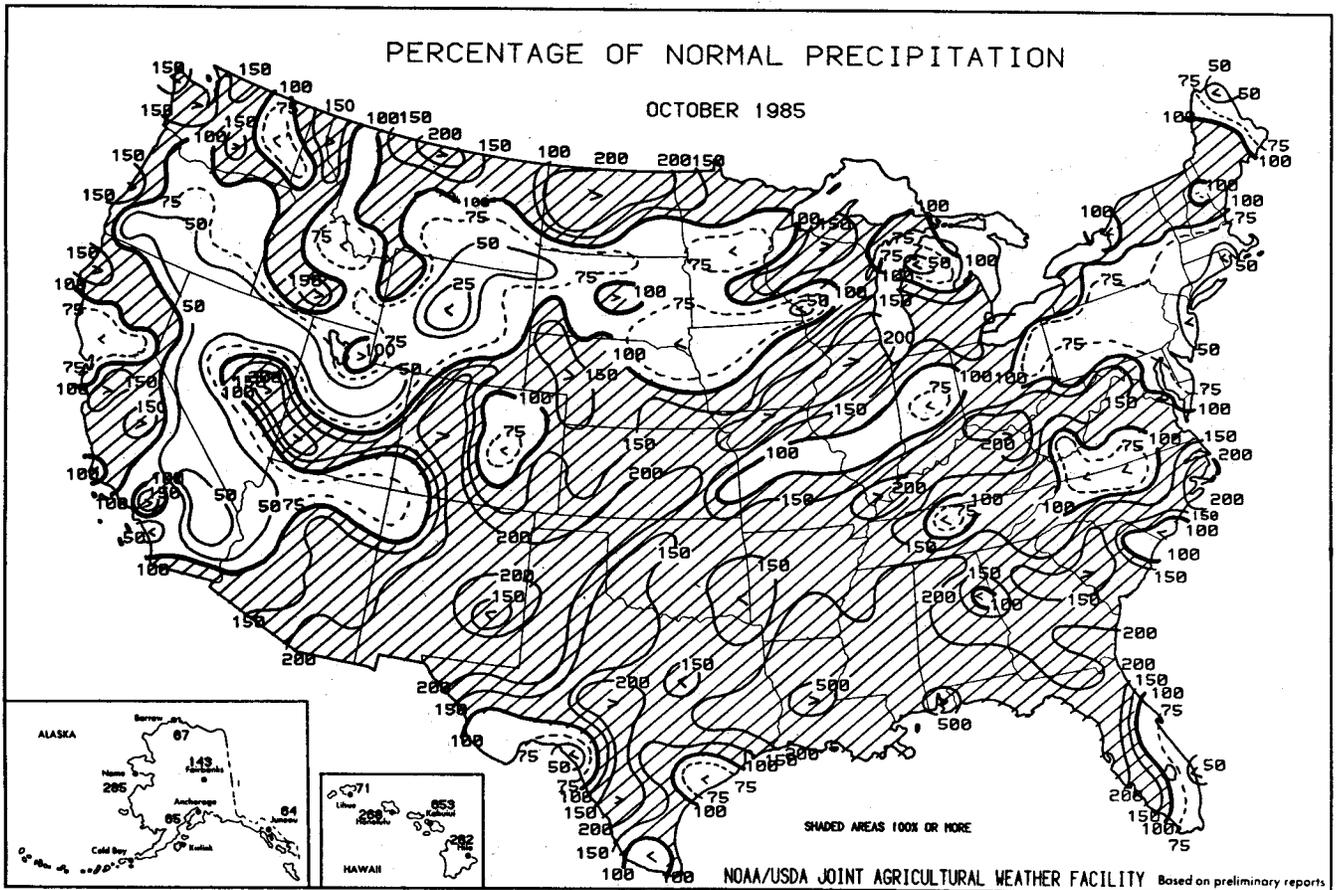
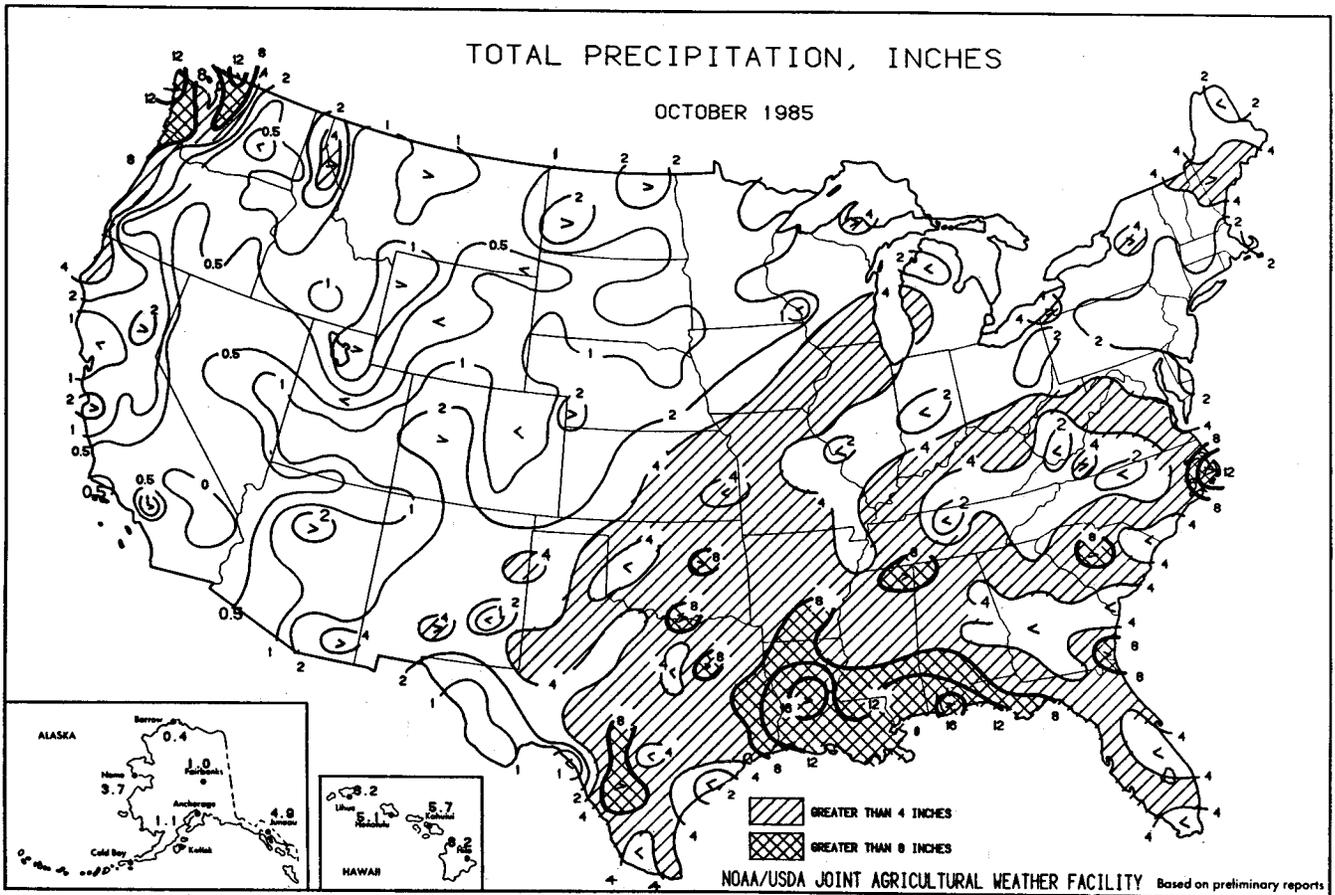
FOURTH WEEK... High winds and heavy rain buffeted the Northwest coast early in the week. Lighter showers covered the entire west coast. As the storm moved inland, heavy snow fell in the Cascades, the Sierras, and the northern Rockies. Strong, gusty winds accompanied showers in the northern Rockies and High Plains. A few thundershowers fell throughout Texas, but the heaviest rain fell from southeastern Texas to New England and eastward to the Atlantic Coast. Rain accumulated up to 4 inches from the mid-Ohio Valley into Virginia. The least amount fell in the extreme Southeast. Temperatures were near normal along the west coast, but much warmer than normal elsewhere.

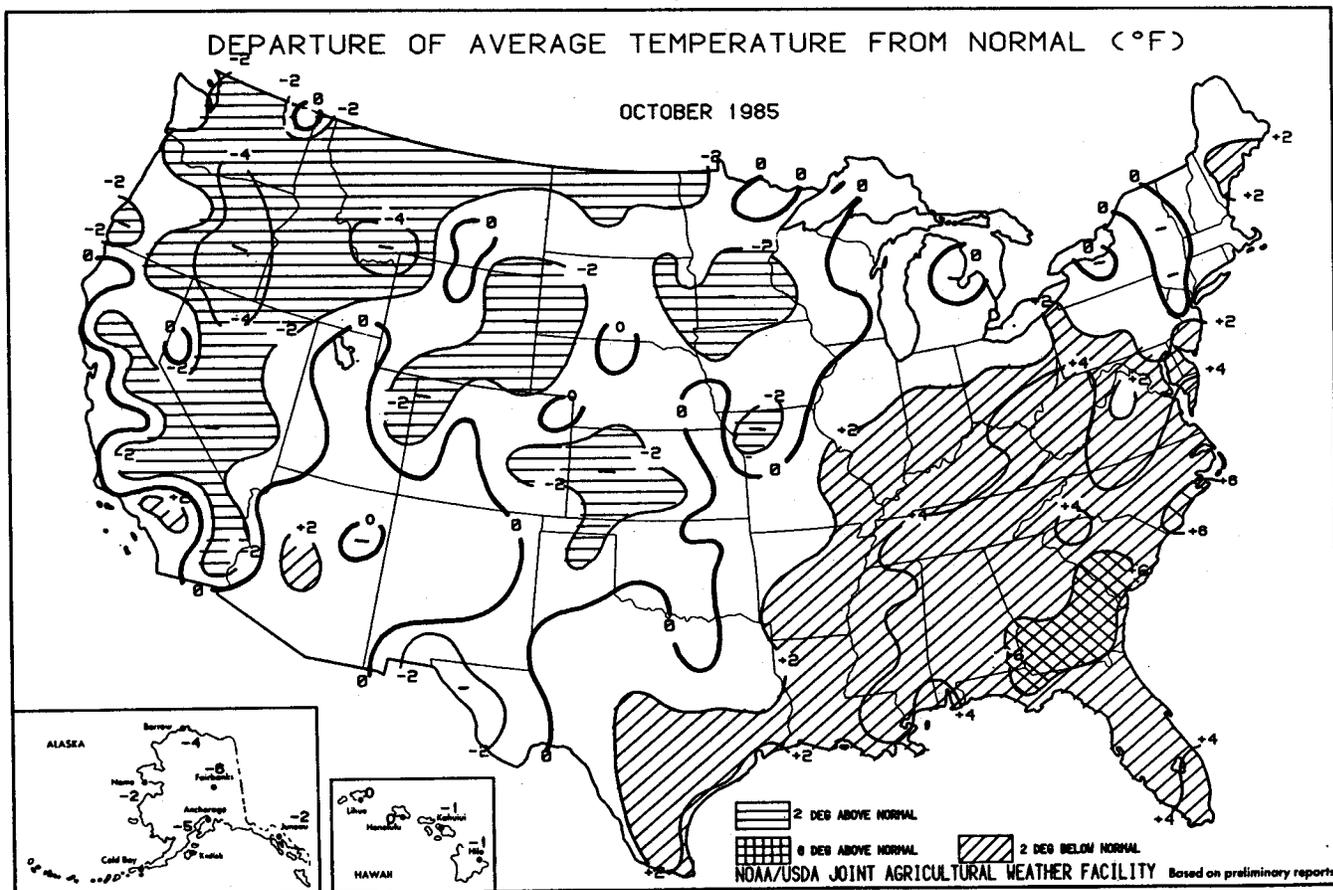
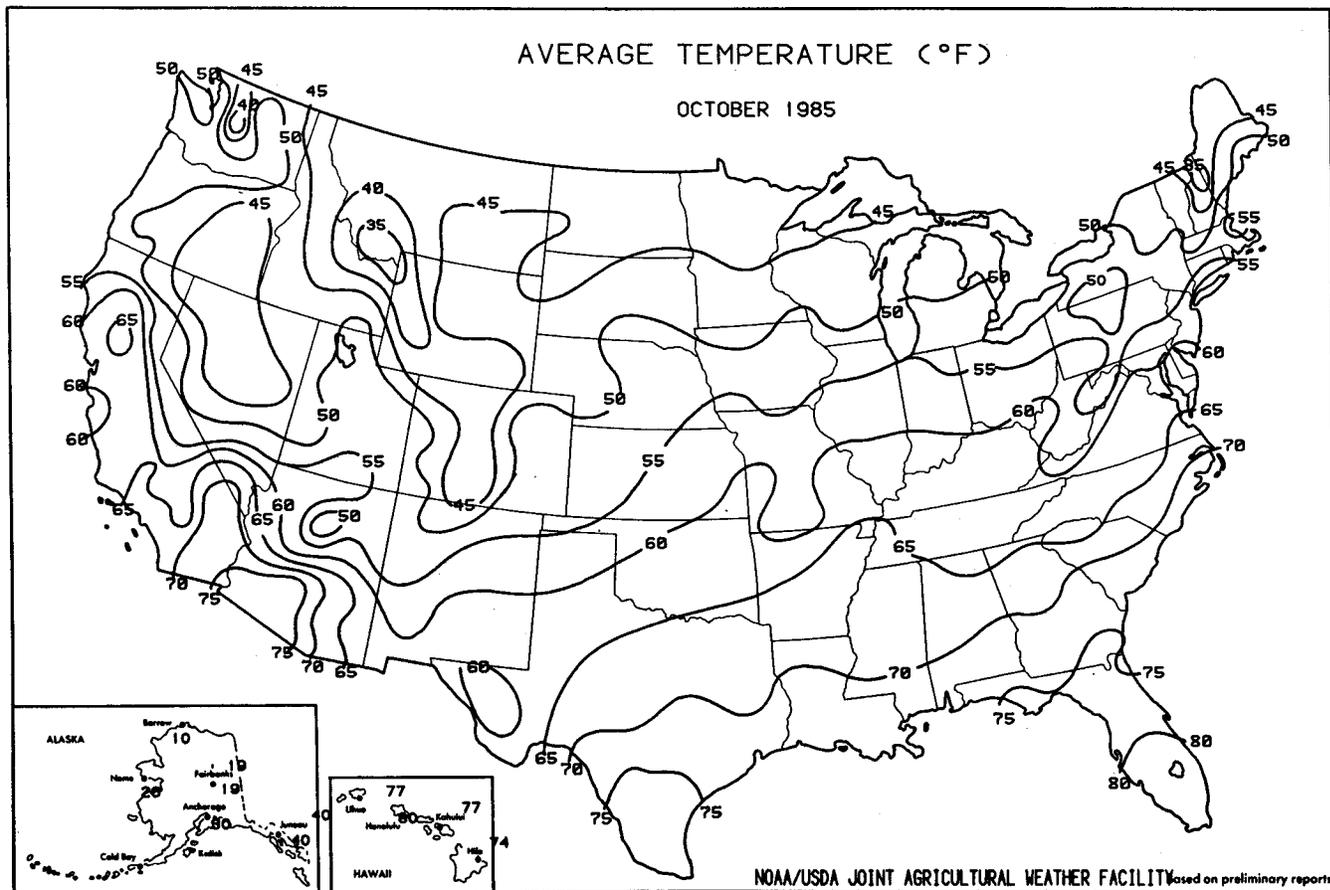
The last 5 days of the month were dominated by Tropical Storm Juan which became a hurricane on Sunday and weakened to a tropical storm on Wednesday. The storm meandered along the Louisiana Coast and dumped torrential rain in southern Louisiana. As the storm weakened it spread huge amounts of moisture northward and eastward.

WINTER WHEAT SEEDING

Wetness delayed winter wheat seeding from the northern Rockies, across the Great Plains and into the Corn Belt during most of October. Heavy rains caused some reseeded in Oklahoma and Kansas. Dryness hampered seeding in some southeastern and Pacific Northwest States. The excessive moisture provided excellent conditions for emergence and growth. In the 18 major producing States, planting was 84 percent finished by November 3rd, compared with 83 percent last year and the 89 percent average. Plants were emerged on 72 percent of the acreage, 2 points above 1984 but 5 points below the average. Seeding was complete in Idaho, Nebraska, South Dakota, and Washington and neared completion in Colorado, Michigan, and Ohio. As the month ended, seeding was behind normal in 9 of the 18 major producing States.

In Kansas, seeding at 90 percent completion was 5 points behind normal. Last year 90 percent of the acreage was seeded at this time. Planting was 85 percent finished in Oklahoma, trailing the normal pace by 5 points. Emergence was ahead of normal. Wheat grew well in Texas during October. Rain delayed seeding which ended the month 12 points below the norm. Montana producers had seeded 90 percent of the acreage by November 3rd. Wetness held the seeding pace 10 points behind normal. Winter wheat was 55 percent seeded and 42 percent emerged in Missouri, compared with 73 percent seeded and 58 percent emerged normally. Ohio's wheat was mostly good. Moisture hastened germination the second half of the month. Seeding was 95% finished, equaling the normal pace. Emergence was 5 points ahead of normal.





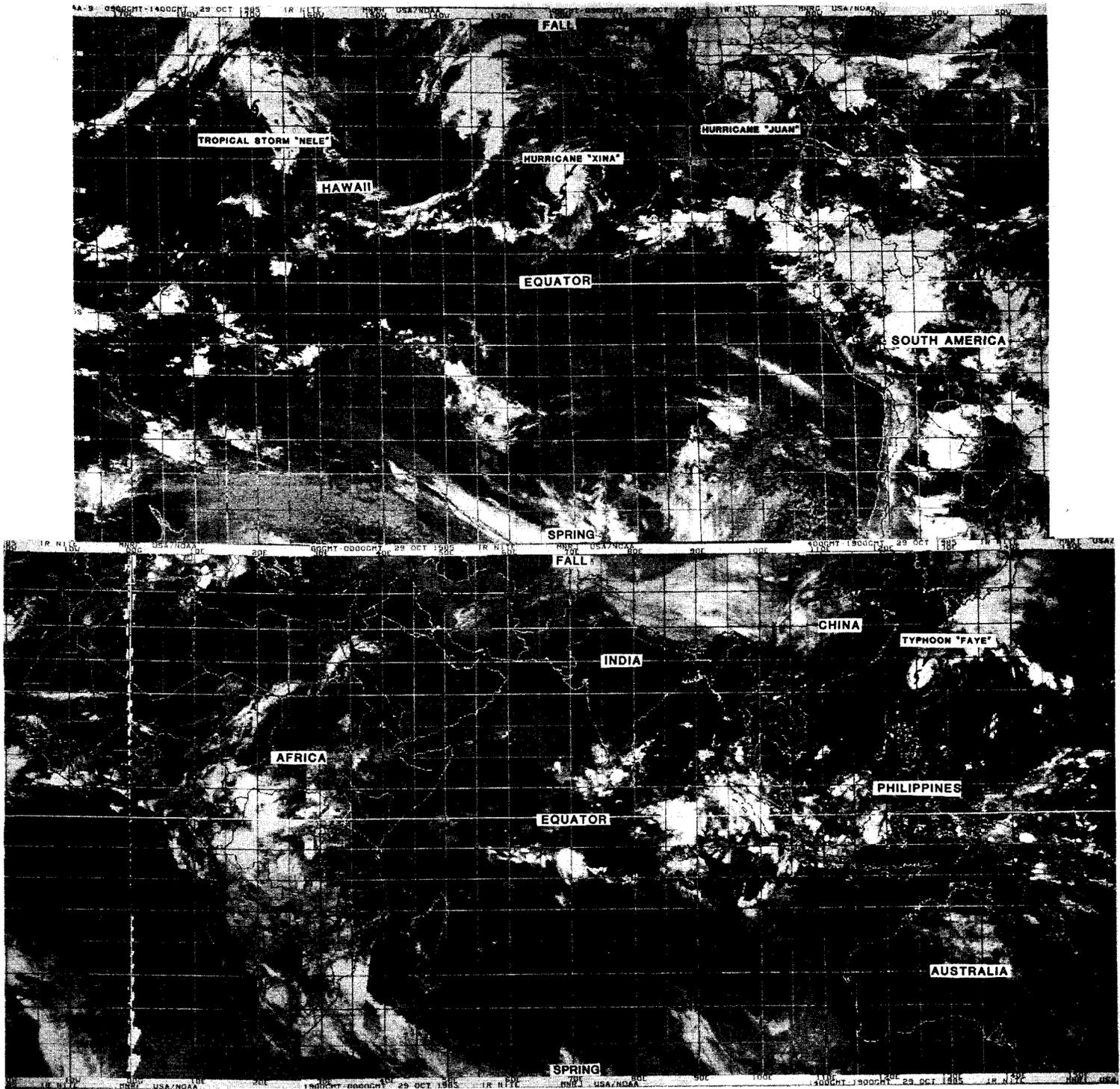
Temperature and Precipitation Data for October 1985

States and Stations	Temperature OF		Precipitation Inches		States and Stations	Temperature OF		Precipitation Inches		States and Stations	Temperature OF		Precipitation Inches	
	Average	Departure	Total	Departure		Average	Departure	Total	Departure		Average	Departure	Total	Departure
AL BIRMINGHAM	67	5	4.0	1.3	BATON ROUGE	72	4	101	7.5	CLEVELAND	54	1	3.4	0.9
MOBILE	71	3	13.2	10.6	LAKE CHARLES	72	3	12.8	9.3	COLUMBUS	57	3	1.9	0.0
AK MONTGOMERY	70	5	2.6	0.4	NEW ORLEANS	73	3	13.2	10.5	DAYTON	57	3	2.4	0.4
ANCHORAGE	30	-5	1.1	-0.7	SHREVEPORT	68	2	9.9	7.3	TOLEDO	53	2	3.1	1.1
BARROW	10	-4	0.4	-0.2	ME CARIBOU	44	1	1.4	-1.6	YOUNGSTOWN	53	1	1.4	-1.3
FAIRBANKS	19	-6	1.0	0.3	PORTLAND	50	2	4.1	0.2	OK OKLAHOMA CITY	61	-1	5.3	2.6
JUNEAU	40	-2	4.9	-2.8	MD BALTIMORE	59	2	2.5	-0.6	TULSA	63	0	6.3	2.9
KODIAK	37	-5	3.3	-6.7	MA SALISBURY	61	3	1.9	-1.8	OR ASTORIA	51	-2	8.1	1.9
NOME	26	-2	3.7	2.4	BOSTON	55	0	1.7	-1.7	BURNS	42	-6	0.8	-0.1
AZ FLAGSTAFF	48	1	2.4	0.9	CHATHAM	54	0	2.1	-1.6	MEDFORD	53	-1	1.5	-0.2
PHOENIX	75	2	0.9	0.2	MI ALPENA	47	0	2.8	0.8	PENDLETON	51	-2	0.8	-0.1
PRESCOTT	57	2	1.3	0.1	DETROIT	53	1	3.9	1.8	PORTLAND	53	-1	2.8	-0.3
TUCSON	70	2	2.0	1.2	FLINT	51	1	3.4	1.3	SALEM	51	-2	3.1	-0.2
WINSLOW	56	-1	1.4	0.5	GRAND RAPIDS	51	0	4.7	1.8	PA ALLENTOWN	54	1	2.0	-1.1
YUMA	77	1	0.4	0.1	HOUGHTON LAKE	48	1	1.6	-0.8	ERIE	54	3	5.2	1.8
AR FORT SMITH	64	1	4.9	1.6	LANSING	51	0	3.3	1.2	PHILADELPHIA	59	3	1.5	-1.3
LITTLE ROCK	66	2	4.9	2.2	MARQUETTE	44	0	4.9	1.6	PITTSBURGH	55	2	2.3	-0.2
CA BAKERSFIELD	65	-3	0.2	-0.1	MUSKOGON	51	0	5.0	2.2	SCRANTON	53	1	1.9	-0.9
EUREKA	55	0	4.2	1.5	SAULT STE. MARI	46	0	2.8	-0.1	RI PROVIDENCE	54	1	1.9	-1.9
FRESNO	65	0	0.9	0.4	MN ALEXANDRIA	45	-1	0.8	-1.1	SC CHARLESTON	72	6	4.6	1.7
LOS ANGELES	67	1	0.4	0.1	DULUTH	43	-2	1.8	-0.5	COLUMBIA	68	5	8.4	5.9
RED BLUFF	64	-1	1.2	0.0	INT'L FALLS	42	-1	2.0	0.2	FLORENCE	69	5	1.9	-0.5
SACRAMENTO	63	-1	0.5	-0.3	MINNEAPOLIS	48	-2	3.7	1.8	GREENVILLE	64	4	4.6	1.1
SAN DIEGO	68	1	0.3	-0.1	ROCHESTER	46	-3	1.5	-0.6	SD ABERDEEN	45	-3	0.9	-0.1
SAN FRANCISCO	61	0	0.7	-0.4	ST. CLOUD	44	-3	1.3	-0.8	HURON	47	-2	1.1	-0.3
DENVER	51	-1	0.8	-0.2	MS GREENWOOD	68	4	5.4	2.6	RAPID CITY	47	-2	1.0	0.2
GRAND JUNCTION	53	-2	2.4	1.5	JACKSON	68	3	7.2	4.6	TN SIoux FALLS	47	-3	0.8	-0.8
BRIDGEPORT	56	0	1.5	-1.8	MERIDIAN	68	4	7.4	4.8	CHATTANOOGA	65	5	4.8	1.9
HARTFORD	52	-1	2.3	-1.2	MO COLUMBIA	58	1	2.7	-0.6	KNOXVILLE	64	4	3.1	0.3
DC WASHINGTON	61	2	3.9	1.0	KANSAS CITY	57	-1	7.5	4.4	MEMPHIS	67	4	3.3	1.0
FL APALACHICOLA	75	5	11.2	8.0	SAINT LOUIS	61	4	2.0	-0.4	NASHVILLE	64	4	1.6	-1.0
DAYTONA BEACH	77	4	4.1	-0.6	SPRINGFIELD	59	1	5.1	1.9	TX ABILENE	66	0	2.4	0.1
JACKSONVILLE	75	6	8.4	5.0	MT BILLINGS	50	1	0.7	-0.5	AMARILLO	57	-2	3.1	1.7
KEY WEST	82	2	3.0	-1.7	GLASGOW	43	-3	0.7	0.1	AUSTIN	72	2	5.9	2.5
MIAMI	80	2	5.2	-2.0	GREAT FALLS	45	-3	1.1	0.3	BEAUMONT	73	2	11.6	8.0
ORLANDO	79	4	2.6	-0.3	HAVRE	44	-2	1.7	1.1	BROWNSVILLE	77	1	4.0	0.5
TALLAHASSEE	74	6	7.7	4.6	HELENA	42	-3	0.8	0.1	CORPUS CHRISTI	75	1	3.4	0.2
TAMPA	79	5	4.8	2.4	KALISPELL	41	-2	0.9	-0.1	DEL RIO	72	1	0.7	-1.6
WEST PALM BEACH	80	3	2.9	-4.9	MILES CITY	47	-1	0.6	-0.3	EL PASO	61	-2	1.8	1.1
GA ATLANTA	66	4	5.7	3.2	MISSOULA	41	-4	0.8	-0.1	FORT WORTH	67	-1	3.9	1.4
AUGUSTA	71	7	6.2	4.1	NE GRAND ISLAND	52	-1	1.9	0.8	GALVESTON	73	0	3.6	1.0
MACON	70	5	3.6	1.6	LINCOLN	54	0	1.5	-0.2	HOUSTON	72	3	6.5	2.8
SAVANNAH	72	5	3.4	1.1	NORFOLK	51	-1	1.0	-0.4	LUBBOCK	61	0	3.6	1.8
HI HILO	74	-1	8.2	-1.8	MIDLAND	49	-2	1.3	0.3	MIDLAND	64	-1	5.9	4.5
HONOLULU	80	0	5.0	3.1	SAN ANGELO	54	0	1.9	-0.2	SAN ANGELO	67	0	5.6	3.6
KAHULUI	77	-1	5.7	4.8	SCOTTSDALE	47	-3	1.0	0.3	SAN ANTONIO	72	2	3.9	1.0
LIHUE	77	0	3.2	-1.3	VALENTINE	48	-2	0.8	0.0	VICTORIA	74	2	2.0	-1.3
ID BOISE	49	-3	0.8	0.1	NV ELKO	46	-2	0.2	-0.4	WACO	69	1	3.8	0.8
LEWISTON	49	-3	0.6	-0.4	ELY	45	-1	1.4	0.9	WICHITA FALLS	65	-1	3.7	1.1
POCATELLO	46	-2	0.5	-0.4	LAS VEGAS	67	-1	0.1	-0.2	UT BLANDING	51	0	1.4	-0.1
IL CAIRO	62	1	7.7	5.2	RENO	51	0	0.5	0.1	CEDAR CITY	51	-1	1.7	0.9
CHICAGO	52	-1	5.0	2.7	WINNEMUCCA	45	-4	0.2	-0.4	MILFORD	49	-1	1.1	0.4
MOLINE	54	0	8.5	5.8	NH CONCORD	49	1	3.6	0.5	SALT LAKE CITY	53	0	1.6	0.5
PEORIA	55	2	4.6	2.1	NJ ATLANTIC CITY	58	2	1.0	-2.1	VT BURLINGTON	49	1	3.3	0.5
QUINCY	56	2	4.6	1.3	NM ALBUQUERQUE	58	0	2.2	1.4	VA NORFOLK	66	5	4.0	0.5
ROCKFORD	52	0	7.5	4.5	CLOVIS	58	-1	3.1	1.3	RICHMOND	62	4	5.1	1.4
SPRINGFIELD	58	2	3.1	0.6	ROSWELL	61	-1	1.0	0.0	ROANOKE	60	3	3.8	0.3
IN EVANSVILLE	61	3	4.5	2.0	NY ALBANY	50	-1	1.9	-1.0	WA COLVILLE	46	0	1.5	0.3
FORT WAYNE	54	1	2.4	-0.1	BINGHAMTON	50	1	2.5	-0.5	QUILLAYUTE	49	-2	14.7	4.2
INDIANAPOLIS	57	3	1.8	-0.7	BUFFALO	52	1	3.7	0.8	SEATTLE-TACOMA	51	-1	5.7	2.3
SOUTH BEND	54	1	3.4	0.1	NEW YORK	59	2	1.2	-2.1	SPOKANE	45	-3	1.4	0.3
IA DES MOINES	53	-2	3.7	1.6	ROCHESTER	51	-1	2.3	-0.2	WALLA WALLA	53	-1	1.4	0.0
DUBUQUE	50	-1	4.9	2.0	SYRACUSE	51	0	3.5	0.3	YAKIMA	47	-3	0.8	0.3
SIoux CITY	51	-1	1.2	-0.5	NC ASHEVILLE	60	4	3.4	0.1	WV BECKLEY	57	5	1.6	-1.0
WATERLOO	50	0	3.1	0.7	CHARLOTTE	65	4	5.1	2.4	CHARLESTON	62	6	3.7	1.0
KS CONCORDIA	56	-1	3.0	1.1	GREENSBORO	61	3	2.0	-1.2	HUNTINGTON	61	5	5.2	2.8
DODGE CITY	54	-3	2.6	1.3	HATTIESBURG	71	6	15.0	10.4	PARKERSBURG	59	4	4.9	2.8
GOODLAND	51	-2	1.2	0.3	NEW BERN	70	6	5.1	1.7	WI GREEN BAY	48	0	2.7	0.6
TOPEKA	57	0	5.2	2.4	RALEIGH	64	4	1.8	-0.9	LA CROSSE	51	0	0.8	-1.3
WICHITA	57	-2	5.6	3.1	WILMINGTON	71	7	2.4	-0.6	MADISON	49	0	4.5	2.3
KY BOWLING GREEN	61	3	3.1	0.2	ND BISMARCK	44	-2	1.3	0.5	MILWAUKEE	51	0	5.4	3.1
JACKSON	62	7	5.0	2.9	FARGO	45	-2	1.0	-0.3	WAUSAU	47	0	3.0	0.7
LEXINGTON	60	4	4.2	2.0	GRAND FORKS	43	-2	1.7	0.6	NY CASPER	45	-2	0.5	-0.4
LOUISVILLE	61	4	4.2	1.6	WILLISTON	43	-2	1.8	1.1	CHEYENNE	45	-2	0.9	0.3
PADUCAH	62	2	7.3	4.7	OH AKRON-CANTON	54	2	1.5	-0.7	LANDER	46	-1	0.2	-1.0
LA ALEXANDRIA	71	3	17.4	13.4	CINCINNATI	59	4	5.8	3.3	SHERIDAN	45	-2	0.6	-0.6
									PR SAN JUAN	80	-2	11.0	5.1	

Based on 1951-80 normals.

GLOBAL WEATHER SATELITTE IMAGE

October 29, 1985



National Agricultural Summary

October 29 to November 3, 1985

HIGHLIGHTS: Drier conditions across the Rockies, and northern and central plains spurred harvesting progress and winter wheat seeding. However, rain slowed harvest over the eastern third of the Nation from the lower Corn Belt southward down into the Southeast. In Mississippi and Louisiana all field activities ceased because of rain from Hurricane Juan. Fieldwork averaged 3 days or less throughout the Delta and across the Southeast. Farmers were able to work 4 days or more in the rest of the Nation with the exception of Missouri where farmers worked less than 3 days. Soil moisture was generally adequate in most areas.

Winter wheat seeding progressed rapidly and now trails the normal pace by 5 points. Eighty-four percent of the crop was seeded with 72 percent (%) emerged. Corn harvest advanced 15 points bringing the total completion to 59%. Harvest still remained 13 points behind the 72% average. Soybeans were 64% harvested, compared with 54% last year and 72% normally. Sorghum harvest approached normal yet behind by 2 points. Cotton acreage with bolls open totaled 90%, 3 points behind normal. Harvest was 48% finished, 11 points ahead of 1984 but 1 point below normal. Rain held harvest at a virtual standstill in Louisiana and Mississippi. Citrus fruit harvest continued increasing in Florida. Pecan harvest gained momentum in the Southeast as weather permitted. Pastures were mostly good to fair. Moisture continued enhancing growth in most areas. Livestock was fair to good. Supplemental feeding was necessary in some areas but on a limited scale.

SMALL GRAINS: Winter wheat progressed rapidly especially in the central and northern Plains. Seeding was 84% finished compared with 83% in 1984 and 89% normally. Soil moisture was ample in most areas with conditions mostly good. Idaho, Nebraska, South Dakota, and Washington had completed seeding. Only 20% of the wheat was seeded in Georgia, trailing the norm by 12 points. Seeding was 18 and 19 points behind normal in Missouri and Texas, respectively. Kansas wheat was 90% seeded and 75% emerged with the crop excellent to good.

CORN: Corn harvest advanced 15 points to 59% completion, compared with 63% last year and the 72% average. Dryness over much of the Corn Belt and Great Plains account for the rapid harvesting progress. In Iowa, producers harvested nearly one-fourth of the acreage last week bringing their total completion to 54%, but harvest still remained 23 points behind normal. In South Dakota, slightly more than a third of corn had been harvested when normally three-fourths would be harvested. Harvest was 20 points behind normal in Nebraska. In Illinois, producers harvested 12% of the corn acreage in 1 week. Harvest was 76% finished, 6 points behind normal.

SOYBEANS: Soybean harvest jumped 18 points from the previous week, but was 8 points below the average. Harvest was 64% complete and ahead of last year's 54% completion rate. Nebraska's harvest leaped 45 points, more than doubling the harvesting progress from the previous week. Harvest in Missouri and Kansas was 24 and 30 points behind normal, respectively, but producers harvested 15% or more of the crop in 1 week. Rain slowed harvest in parts of the Delta and in the Southeast.

COTTON: Precipitation slowed harvest in the Southeast, but harvesting flourished in the western States. In the 14 major producing States 48% of the cotton was harvested, only 1 point behind normal. California producers nearly doubled the previous week's progress but was 7 points shy of the 67% average. Arizona was 15 points ahead of the average. Dampness continued slowing crop development in Texas. Bolls open was 6 points off the normal pace and harvest dipped 4 points below average.

SORGHUM: Sorghum was 74% harvested in the 7 major producing States, 2 points ahead of 1984, but 2 points below the average. Harvest was ahead of or equal the norm in all States except Missouri, South Dakota, and Texas. South Dakota was the furthest behind with a 13 point departure from the 85% average.

OTHER CROPS: Peanut digging was finished in Alabama and Georgia, but a few fields remained to be combined in Georgia. North Carolina peanuts were 98% dug and 89% threshed. In Texas, peanuts were 47% harvested, 5 points below the average. Heavy dews and wind hampered harvest in the Cross-Timbers area.

Flue-cured tobacco marketing was active and markets began closing in the Virginia-Carolina area. Air-cured producers continued grading, sorting, and preparing their crops for markets. Burley markets are scheduled to open around mid-November. Tennessee burley tobacco was 45% stripped equaling the average. Stripping was 30% finished in Kentucky 10 points ahead of normal.

VEGETABLES: A few late pickings of fall vegetables continued in the Northern producing areas but for the most part harvest is finished. Florida vegetable growers actively harvested sweet corn, cucumbers, eggplant, peppers, radishes, squash and tomatoes. Snap bean harvest began gaining momentum with carrot, escarole, lettuce, and Chinese cabbage harvest getting underway. In Texas, land preparation continued as field dried. Peppers and cucumbers were harvested in the Rio Grande Valley and carrots were harvested in the High Plains. Vegetable and melon harvests were active in Arizona's Salt River Valley, in Aguila, and in the Eloy-Marana area. Cauliflower was packed in Yuma. Lettuce, squash, and chipper potatoes were harvested in the Willcox region. A variety of mixed-vegetables were harvested in California.

FRUIT AND NUTS: Pecan harvest gained momentum in the Southeast as weather permitted. In Texas, high winds caused significant nut droppage. Heavy losses are expected in South Texas because of hurricane Juan. Florida citrus groves were good. Light shower provided moisture, but irrigation was needed in the Sand Hills. Harvest increased in most areas. Early orange harvest continued at a slow pace in Texas. Fruit quality was good. Lemons, grapefruit, Navel, and sweet oranges were picked in Arizona. A few tangerines were picked in western Arizona. Desert grapefruit, tangerine, tangelo and Navel orange harvests were underway in California.

PASTURES AND LIVESTOCK: Pastures were mostly good. Moisture continued enhancing growth in most areas. Livestock was fair to good. Supplemental feeding was necessary in some areas but on a limited scale.

CROP PROGRESS

FOR WEEK ENDING NOV 3, 1985

CORN % HARVESTED			
	1985	1984	AVG.
COLO	60	48	61
GA	98	98	98
ILL	76	65	82
IND	68	45	70
IOWA	54	76	77
KANS	85	85	85
KY	79	52	78
MICH	40	55	55
MINN	44	68	67
MO	70	70	80
NEBR	45	55	65
N C	94	94	95
OHIO	55	35	65
PA	51	28	54
S DAK	35	61	75
TEX	98	99	99
WIS	35	47	41
17 STATES	59	63	72

THESE 17 STATES PRODUCED 93% OF THE 1984 CORN CROP.

NA - NOT AVAILABLE

COTTON % BOLLS OPENING			
	1985	1984	AVG.
ALA	100	100	99
ARIZ	100	100	100
ARK	100	96	99
CALIF	100	100	100
GA	98	97	97
LA	100	100	100
MISS	100	100	100
MO	100	100	100
N MEX	97	100	98
N C	100	100	100
OKLA	99	98	95
S C	100	100	100
TENN	100	100	100
TEX	80	75	86
14 STATES	90	88	93

THESE 14 STATES PRODUCED 100% OF THE 1984 COTTON CROP.

COTTON % HARVESTED			
	1985	1984	AVG.
ALA	76	63	71
ARIZ	50	45	35
ARK	82	29	69
CALIF	60	70	67
GA	66	66	71
LA	82	45	74
MISS	76	42	74
MO	80	31	71
N MEX	20	16	40
N C	55	51	69
OKLA	20	20	15
S C	85	61	80
TENN	65	40	75
TEX	28	24	32
14 STATES	48	37	49

THESE 14 STATES PRODUCED 100% OF THE 1984 COTTON CROP.

SORGHUM % HARVESTED			
	1985	1984	AVG.
ARK	97	87	96
KANS	65	60	65
MO	64	66	75
NEBR	80	70	75
OKLA	65	50	55
S DAK	73	79	85
TEX	81	81	88
7 STATES	74	70	76

THESE 7 STATES PRODUCED 83% OF THE 1984 SORGHUM CROP.

WINTER WHEAT % EMERGED			
	1985	1984	AVG.
ARK	28	NA	NA
CALIF	10	8	16
COLO	94	93	91
GA	13	NA	NA
IDAHO	83	80	73
ILL	73	44	71
IND	80	60	80
KANS	75	75	85
MICH	75	NA	NA
MO	42	44	58
MONT	70	75	85
NEBR	100	100	100
OHIO	80	70	75
OKLA	65	45	60
OREG	63	65	76
S DAK	97	100	100
TEX	55	67	65
WASH	86	91	92
18 STATES	70	NA	NA
EXCL. STATES WITH NA	72	70	77

THESE 18 STATES PRODUCED 88% OF THE 1984 WINTER WHEAT CROP.

WINTER WHEAT % PLANTED			
	1985	1984	AVG.
ARK	48	20	42
CALIF	35	20	28
COLO	99	97	98
GA	20	23	32
IDAHO	100	100	96
ILL	90	50	84
IND	90	70	93
KANS	90	90	95
MICH	95	100	96
MO	55	48	73
MONT	90	100	100
NEBR	100	100	100
OHIO	95	85	95
OKLA	85	80	90
OREG	89	87	93
S DAK	100	100	100
TEX	70	87	82
WASH	100	99	99
18 STATES	84	83	89

THESE 18 STATES PRODUCED 88% OF THE 1984 WINTER WHEAT CROP.

SOYBEANS % HARVESTED			
	1985	1984	AVG.
ALA	37	46	57
ARK	35	10	34
GA	29	46	44
ILL	88	63	89
IND	88	60	90
IOWA	84	82	91
KANS	45	65	75
KY	38	21	54
LA	42	46	64
MICH	65	65	77
MINN	86	85	88
MISS	36	30	47
MO	43	32	67
NEBR	85	70	90
N C	14	18	24
OHIO	85	65	85
S C	13	17	17
S DAK	85	72	92
TENN	35	15	40
19 STATES	64	54	72

THESE 19 STATES PRODUCED 94% OF THE 1984 SOYBEAN 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: Rainfall 1.00 to 2.00 in. statewide, except 8.00 to 9.00 in. over southwest, 3.00 to 4.00 in. over southeast. Temperatures averaged 2 to 50 above normal.

Fieldwork 1.0 days suitable. Soil moisture 14% adequate, 86% surplus. Soybeans dropping leaves virtually complete; mature 82%, 88% 1984; harvested 37%, 46% 1984, 57% avg.; 4% poor, 50% fair, 44% good, 2% excellent. Cotton harvested 76%, 63% 1984, 71% avg. Sorghum harvested 96%, 89% 1984, 83% avg. Winter wheat planted 30%, 33% 1984, 53% avg.; 2% poor, 30% fair, 64% good, 4% excellent. Pastures 6% poor, 31% fair, 53% good, 10% excellent. Livestock 29% fair, 65% good, 6% excellent. Primary activities: Harvesting cotton, soybeans, planting winter wheat, winter grazing crops; harvesting pecans; general care for livestock, poultry.

ARIZONA: Partly cloudy, mild weather prevailed through 30th. Weak upper level low pressure system 31st lowered maximum temperatures by 5 to 15°. Precipitation eastern two-thirds, amounts from trace to 0.33 in. Snow level reached 7,500 ft. with 3 in. at Hawley Lake, 1 in. at McNary, Greer. Sunny skies returned 1st, 2nd. Average temperatures for week varied from 3 to 70 above seasonal normals.

Cotton 50% harvested, 45% 1984, 35% avg. Harvest progressed under ideal weather conditions. Defoliation activity continued. Insect, weed progress light to moderate. Alfalfa planting, harvesting took place. New stands developing well. Hay demand beginning to improve. Corn harvest continued southeast. Sorghum harvested southeast, west. Sesame harvest advanced. Tangerines picked west, harvest may spread to central areas 7th. Lemons, grapefruit, Navel and sweet oranges picked. Valencia orange crop continued to develop normally. Apple packing virtually completed. Vegetable, melon harvest active Salt River Valley, Aguila, Eloy-Marana areas. Cauliflower packed Yuma. Lettuce should begin Yuma, Parker-Poston 7th. Melons shipped from Parker-Poston. Willcox lettuce, squash, chipper potato harvest active. Range feed supplies above average at higher elevations; stockwater supplies adequate; cattle, sheep good condition. Western areas and rangelands below 4,000 ft. below average soil moisture, green feed supply; stockwater tanks depleted. Cattle fair to good condition.

ARKANSAS: Temperatures normal to 50 below normal. Wet first half week gave way to drier, cooler air by weeks end. Temperature extremes 28°; 78°. Precipitation 0.70 to 5.83 in.

Days suitable for fieldwork 3.0. Soil moisture 2% short, 34% adequate, 64% surplus. Cotton 100% bolls opening, 96% 1984, 99% avg. Cotton 82% harvested, 29% 1984, 69% avg. Winter wheat 48% planted, 20% 1984, 42% avg. Winter wheat 28% emerged; 15% fair, 76% good, 9% excellent. Sorghum 97% harvested, 87% 1984, 96% avg. Sorghum 97% harvested, 87% 1984, 96% avg. Soybeans 35% harvested, 10% 1984, 34% avg. Soybeans 32% fair, 68% good.

CALIFORNIA: No precipitation recorded anywhere across State for week. Temperature averages above normal most locations. Strong high pressure over State enabled dry, warm conditions to continue through week. Below normal temperature averages persisted central coast region. Southeast

interior averaged almost 40 above normal. Individual temperature readings ranged from a low of 16° Alturas to a high of 95° Blythe.

Fieldwork active. Rice harvest winding down. Cotton 100% opening bolls, 100% 1984, 100% avg. Cotton 60% harvested, 70% 1984, 67% avg. Winter wheat 35% planted, 20% 1984, 28% avg. Winter wheat 10% emerged, 8% 1984, 16% avg. Sugarbeets, dry beans continued to be harvested. Field corn harvest continued with good yields being reported. Final cutting of alfalfa hay being cut. Cotton 75% good to 25% excellent. Late apple harvest complete. Kiwi harvest 90% complete some areas. Coachella date harvest continued. Few raisin grapes still shipped. Table grapes harvested including Emperor, Almeria varieties. Fall cultural practices prunes. Harvest of Zutano, Bacon varieties included in light avocado crop. Desert grapefruit, tangerine, tangelo, and 1985-86 Navel orange harvest underway. Desert lemon harvest half complete. The 1984-85 Valencia orange harvest continued. Almond orchards pruned. Persimmon harvest underway. Varieties included Fuyu, Hachiya. Pecan harvest continued. Some Franquette walnuts still being harvested. Artichoke supplies decreased. Broccoli fairly heavy Salinas-Watsonville, fairly light Santa Maria. Harvest started San Joaquin Valley. Cantaloup harvest active desert with larger sizes. Carrot supplies moderate. Cauliflower harvest fairly heavy Salinas-Watsonville, light Santa Maria. Harvest underway San Joaquin Valley. Celery harvest increased Salinas-Watsonville, moderate Santa Maria. Lettuce harvest nearly complete Salinas decreasing Santa Maria and peaking San Joaquin Valley. Potato digging virtually complete Tulalake-Butte Valley, packing sheds operating full time. Sweetpotato harvest active. Strawberry planting active south coast. Market tomato harvest decreasing. Range, pasture grasses began to grow. More moisture needed sustain growth. Supplemental feeding decreased due to increased feed supplies. Stockwater supplies remain low levels. Calving, lambing continued active. Sheep grazing alfalfa fields.

COLORADO: Mostly dry, sunny except rapidly passing cold front 31st, 1st. Average temperatures 1 to 40 above normal. Precipitation averaged trace to 0.75 in.

Days suitable for fieldwork 5.8. Soil moisture 5% short, 70% adequate, 3% surplus. Winter wheat 5% fair, 32% good, 63% excellent; 99% seeded, 97% 1984, 98% avg.; 92% emerged, 93% 1984, 91% avg. Corn 19% good, 81% excellent; 99% mature, 99% 1984, 97% avg.; grain harvested 60%, 48% 1984, 61% avg. Grain sorghum harvested 55%, 32% 1984, 65% avg. Dry beans harvested 97%, 94% 1984, 96% avg. Range feed and livestock good condition.

FLORIDA: Very warm, wet and windy at times. Out reach of Hurricane Juan ended 1st after bringing very heavy rains to many areas. Rains spread back into State during weekend generating light amounts but in a few spots 1.00 in. or more. Temperatures averaged 5 to 100 above normal. Warmest October on record many locations.

Soil moisture generally adequate except surplus in Panhandle, northern coastal counties. Soybean harvests halted by heavy rains. Sprouting may occur unless fields dry quickly. Peanut harvest virtually complete. Hay harvest winding down. Small grain planting increased. Sugarcane harvest

increasing seasonally. Cotton harvest halted by heavy rains, quality lowered. Pastures Peninsula mostly good to excellent, improving Panhandle. Cattle good to excellent. Citrus grove condition good, light showers, some irrigation high Sand Hills. Harvest increasing; caretakers very active all areas. Rainfall vegetable area variable. Amounts generally less than 1.00 in. High winds accompanied showers along Gulf Coast, some damage to tomatoes, peppers. Daytime temperatures generally upper 80s nighttime readings mostly low 70s, upper 60s. Harvest active for sweet corn, cucumbers, eggplant, peppers, radishes, squash, tomatoes. Harvest snap beans gaining momentum. Harvest getting underway carrots, escarole, lettuce, Chinese cabbage. Light harvest celery underway Zellwood area. Harvest should become active next several weeks most fall crops.

GEORGIA: Temperatures 2 to 50 above normal north, 1 to 30 above normal central, 4 to 70 above normal extreme south. Rain 4 to 70 days; totals above normal. Rainfall totals 1.00 to 3.00 in. expect lighter in extreme northwest, 4.00 to 5.00 in. northeast and extreme southeast.

Days suitable for fieldwork 1.3. Soil moisture 7% short, 42% adequate, 51% surplus. Main activities: Overseeding, fertilizing pastures; harvesting pecans, cotton, soybeans as weather permits; corn, peanut harvest at standstill. Corn 98% harvested, 98% 1984, 98% avg. Cotton 98% bolls open, 97% 1984, 97% avg.; 66% harvested, 66% 1984, 71% avg.; 3% poor, 29% fair, 59% good, 9% excellent. Grain sorghum 5% poor, 43% fair, 51% good, 1% excellent. Peanuts 100% dug, 100% 1984, 99% avg.; 98% threshed, 98% 1984, 98% avg. Soybeans 98% dropping leaves, 99% 1984, 96% avg.; 29% harvested, 46% 1984, 44% avg.; 5% poor, 48% fair, 45% good, 2% excellent. Wheat 20% planted, 23% 1984, 32% avg.; 13% emerged. Rye 57% planted, 47% 1984, 66% avg. Other small grains 46% planted, 40% 1984, 57% avg. Apples 100% harvested, 98% 1984, 98% avg. Pecans 25% harvested, 24% 1984, 26% avg.; 6% poor, 50% fair, 43% good, 1% excellent. Pastures 7% poor, 38% fair, 52% good, 3% excellent. Hay 15% poor, 37% fair, 46% good, 2% excellent. Cattle 23% fair, 75% good, 2% excellent. Hogs 22% fair, 76% good, 2% excellent.

HAWAII: Crop made fair progress under variable weather conditions. Thunderstorm east of islands cast salt particles into air resulting in hazy conditions lasting a few days beginning of week. Trade winds 15 to 30 mph diminishing to 5 to 15 mph by end of week. Other storms around State had little direct affect on weather conditions. Orchard fair to good condition. Active harvesting of bananas and papayas continued. Vegetable production slightly lower, a result of heavy rains few weeks ago. Sugar, pineapple harvesting active.

IDAHO: Week began dry southeast, light rainfall rest of State. During rest of week light rainfall northern half of State, southern half dry. Temperatures averaged 5 to 100 above normal southeast, near normal rest of State.

Days suitable for fieldwork 6.0. Potatoes 97% harvested, 98% 1984, 97% avg. Onions 95% dug, 100% 1984, 100% avg. Corn 45% harvested for grain, 43% 1984, 45% avg. Sugarbeets 67% harvested, 66% 1984, 64% avg. Apples 97% picked, 98% 1984. Winter wheat 100% seeded, 100% 1984, 96% avg.; 83% emerged, 80% 1984, 73% avg. Movement from summer range/pasture: Cattle 90%, sheep 96%. Livestock conditions good.

ILLINOIS: Temperatures mostly normal to 50 below normal. Precipitation 2.00 to 3.00 in. north, 1.00 to 2.00 in. south.

Days suitable for fieldwork 4.3. Soil moisture 5% short, 47% adequate, 48% surplus. Fieldwork active early week, very limited end of week. Corn harvested for grain 76%, 65% 1984, 82% avg. Soybeans harvested 88%, 63% 1984, 89% avg. Winter wheat planted 90%, 50% 1984, 84% avg.; emerged 73%, 44% 1984, 71% avg.; 1% poor, 12% fair, 65% good, 22% excellent. Sorghum harvested for grain 62%, 45% 1984, 74% avg. Pasture 3% poor, 24% fair, 61% good, 12% excellent; supplying 58% of livestock roughage requirements, 64% 1984, 52% avg.

INDIANA: Temperatures averaged 2 to 40 above normal. Highs averaged mid to upper 50s. Lows in low to mid 40s. Rainfall above normal. Totals generally 1.50 to 2.00 in.

Fieldwork averaged 4.8 days. Topsoil moisture 2% short, 69% adequate, 29% surplus. Subsoil moisture 9% short, 76% adequate, 15% surplus. Corn 68% harvested, 45% 1984, 70% avg. Corn moisture 21%, 25% 1984. Soybeans 88% harvested, 60% 1984, 90% avg. Soybean moisture 13%, 16% 1984. Wheat 90% seeded, 70% 1984, 93% avg. Wheat 80% emerged, 60% 1984, 80% avg. Wheat stands 11% fair, 68% good, 21% excellent. Wheat land 93% plowed, 85% 1984, 90% avg. Rye 87% seeded, 87% 1984, 94% avg. Spring cropland 23% tilled, 13% 1984.

IOWA: Seasonal temperatures, sunny skies except moderate, heavy rains east 31st, 1st. Highs in 50s, lows 210.

Days suitable for fieldwork 6.0. Topsoil moisture 62% adequate, 38% surplus. Subsoil moisture 5% short, 79% adequate, 16% surplus. Corn harvested 54%, 76% 1984, 77% avg. Soybeans harvested 84%, 82% 1984, 91% avg. Winter wheat sown 90%, 100% 1984, 100% avg. Fall tillage completed 15%. Fertilizer application completed 10%. Livestock good condition.

KANSAS: Precipitation averaged 0.50 in. southeast, 0.20 to 0.30 in. northeast and east central, little to no precipitation central, west. Temperatures averaged 48 to 520; normal to 10 below normal central and south; 1 to 30 above normal northeast and northwest.

Days suitable for fieldwork 5.0. Topsoil moisture 2% short, 68% adequate, 30% surplus. Wheat 90% seeded, 90% 1984, 95% avg. Wheat 75% emerged, 75% 1984, 85% avg.; 2% very poor, 1% poor, 10% fair, 40% good, 47% excellent. Sorghum 65% harvested, 60% 1984, 65% avg. Light test weights in freeze areas. Soybeans 45% harvested, 65% 1984, 75% avg. Corn 85% harvested, 85% 1984, 85% avg. Harvest progressed well, but slowed in east by wet conditions. Pasture excellent.

KENTUCKY: Tropical air associated with Hurricane Juan dominated weather. Temperatures 2 to 100 above normal. Highs upper 60s and 70s, lows mostly in 40s. Rainfall 1.00 in. or more most locations. Heaviest rain west.

Days suitable for fieldwork 2.3. Soil moisture 3% short, 55% adequate, 42% surplus. Corn 79% harvested, 52% 1984, 78% avg. Soybeans 38% harvested, 21% 1984, 54% avg. Burley tobacco 30% stripped, 14% 1984, 20% avg. Winter wheat seeding 64% complete, 42% 1984, 65% avg. Pastures good.

LOUISIANA: Temperatures averaged 20 below normal to 40 above normal. Temperature extremes 450; 810. Rain totals averaged 3.50 to 11.70 in.

Days suitable for fieldwork 0.1. Hurricane Juan virtually stopped all fieldwork. Quality, yield losses expected on crops still to be harvested. Soil moisture 100% surplus. Cotton 82% harvested, 45% 1984, 74% avg. Rice 99% harvested, 100% 1984, 100% avg. Soybeans 51% very poor, 20% poor, 29% fair; beans sprouting and mold damage. Soybeans

99% leaves turning, 100% 1984, 99% avg. Soybeans 92% shedding, 95% 1984, 95% avg.; 42% harvested, 46% 1984, 64% avg. Wheat 11% planted, 21% 1984, 37% avg.; 10% emerged, 17% 1984, 23% avg. Pecans fair; 9% harvested, 17% 1984, 20% avg. Sweetpotatoes 80% harvested, 84% 1984, 91% avg.; rotting in many fields. Hay final cutting 96% complete, 98% 1984, 99% avg. Sugarcane poor; 96% planted, 99% 1984, 99% avg.; 16% harvested, 12% 1984, 24% avg. Cane severely lodged. Vegetables poor to fair; pastures fair; livestock fair to good.

MARYLAND & DELAWARE: Maryland: Temperatures near normal to 2° above normal; highs in low to mid 70's, lows high 20s to mid 30s. Precipitation averaged 0.07 in., ranging from none to 0.22 in.

Fieldwork 5.0 days suitable. Topsoil, subsoil moisture adequate statewide. Corn for grain 85% harvested, 85% 1984, 90% avg. Soybeans remaining for harvest good. Soybeans 40% harvested, 35% 1984, 50% avg. Small grains good condition. Barley 95% seeded, 95% 1984, 95% avg. Wheat 75% seeded, 75% 1984, 85% avg. Rye 85% seeded, 95% 1984, 95% avg. Oats 85% seeded, 85% 1984, 95% avg.

Delaware: Temperatures 1° below normal 2° above normal; highs mostly low to mid 70s; lows in low to mid 30s. Precipitation ranged from none to 0.01 in.

Fieldwork 7.0 days suitable. Topsoil, subsoil moisture adequate. Corn for grain 85% harvested, 90% 1984, 90% avg. Soybeans 30% harvested, 40% 1984, 55% avg. Small grains good condition. Barley 85% seeded, 100% 1984, 95% avg. Wheat 60% seeded, 65% 1984, 70% avg. Rye 75% seeded, 80% 1984, 70% avg.

MICHIGAN: Beautiful harvesting weather envelops State. Temperatures averaged 4° above normal. Precipitation moderate statewide end of week.

Days suitable for fieldwork 5.5. Soil moisture 47% adequate, 53% surplus. Corn, soybeans, sugarbeets harvesting main activities. Corn 40% harvested, 55% 1984, 55% avg. Soybeans 65% harvested, 65% 1984, 77% avg. Winter wheat 95% planted, 100% 1984, 96% avg.; 75% emerged. Winter wheat 5% poor, 15% fair, 55% good, 25% excellent. Sugarbeets 70% harvested, 80% 1984, 81% avg. Most apple growers making cider, cleaning up orchards.

MINNESOTA: Continued warm, dry. Temperatures averaged near normal to 5° above normal. Temperature extremes 14°; 71°. Precipitation averaged 0.28 in. above normal southeast; 0.05 to 0.30 in. below normal elsewhere.

Days suitable for fieldwork 6.0. Topsoil moisture 69% adequate, 31% surplus. Field corn 44% harvested, 68% 1984, 67% avg.; 25% moisture as harvested, 24% 1984, 23% avg. Soybeans 86% harvested, 85% 1984, 88% avg. Sunflowers 56% harvested, 84% 1984, 77% avg.

MISSISSIPPI: Greatest 24-hour rainfall 4.02 in. Greatest weekly 7.78 in. Temperatures below normal southwest, above remainder of State.

Fieldwork 0.2 days suitable, 3.7 1984, 4.7 avg. Soil moisture 2% adequate, 98% surplus. Rain halted crop harvest. Soybeans 36% harvested, 30% 1984, 47% avg.; 7% very poor, 8% poor, 48% fair, 35% good, 2% excellent. Cotton 76% harvested, 42% 1984, 74% avg. Corn 96% harvested, 90% 1984, 94% avg. Hay 96% harvested; sweetpotatoes 78%. Pecans 12% harvested, 23% 1984, 26% avg. Winter wheat 25% planted, 33% 1984, 54% avg. Pasture 3% poor, 35% fair, 53% good, 9% excellent.

MISSOURI: Rainfall ranged from trace northwest, 1.50 to 2.00 in. across south. Temperatures averaged near normal across State.

Days suitable for fieldwork 2.7. Topsoil moisture 2% short, 22% adequate, 76% surplus.

Corn harvested 70%, 70% 1984, 80% avg. Soybeans harvested 43%, 32% 1984, 67% avg. Grain sorghum harvested 64%, 66% 1984, 75% avg. Cotton bolls open 100%, 100% 1984, 100% avg.; harvested 80%, 31% 1984, 71% avg. Winter wheat seedings 55%, 48% 1984, 73% avg.; emerged 42%, 44% 1984, 58% avg. Pasture 1% poor, 21% fair, 67% good, 11% excellent. Fall tillage for spring crops 29% completed.

MONTANA: Temperatures continued above normal ranging about 2° above normal west of Divide to 10° above south central and southeast. Maximum temperatures high 60s and 70s all areas. Precipitation confined to area west of Divide amounts from 0.05 to near 0.50 in. and extreme southern areas of south central and southeast with around 0.25 in.

Days suitable for fieldwork 6.4. Topsoil moisture 5% short, 91% adequate, 4% surplus. Subsoil moisture 29% short, 71% adequate. Sugarbeets harvested 95%, 100% 1984, 90% avg. Potatoes harvested 90%, 100% 1984, 100% avg. Dry beans harvested 95%, 100% 1984, 100% avg. Winter wheat planted 90%, 100% 1984, 100% avg. Winter wheat emerged 70%, 75% 1984, 85% avg. Winter wheat 40% fair, 55% good, 5% excellent. Livestock receiving supplemental feeding 35%. Livestock moved from summer ranges 90%.

NEBRASKA: Pleasant, dry. Temperatures ranged 1° below normal to 3° above normal. Rainfall very light, spotty.

Days suitable for fieldwork 6.8. Topsoil moisture 5% short, 88% adequate, 7% surplus. Subsoil moisture 7% short, 88% adequate, 5% surplus. Wheat 2% poor, 27% fair, 63% good, 8% excellent. Wheat planted 100%, 100% 1984, 100% avg. Wheat emerged 100%, 100% 1984, 100% avg. Few late planted fields southeast. Corn harvest 45%, 55% 1984, 65% avg. Moisture levels still mid-teens to upper 20s. Corn going to dryers. Most producers waiting for moisture level drop. Soybeans harvested 85%, 70% 1984, 90% avg. Sorghum harvested 80%, 70% 1984, 75% avg. Sugarbeet harvest virtually done, sugar content below normal. Dry bean harvest complete by end of week. Pasture and range adequate. Marketing yearlings, some calves. Weaning calves. Cattle to crop stubbles.

NEVADA: Weak storm system midweek brought numerous clouds but little precipitation. High pressure remainder of week resulted in mostly sunny skies. Temperatures for entire period slightly above normal. Winds generally light.

Hay harvest in clean-up stage. Calf prices up slightly. Calves being weaned, sold on limited basis. Some cull cows also moving to market.

NEW ENGLAND: Precipitation free week inland areas; from 0.01 to 0.10 in. along coast. Near normal temperatures ranged from upper 30's near Canadian border to upper 40° along south coast.

Maine potatoes 99% dug. Field corn 99% chopped. Late variety apple picking winding down. Cranberries 95% harvested. Seeding cover crops, spreading manure, repairing machinery.

NEW JERSEY: Temperatures below normal north, near normal south and coastal, averaging 44° north, 49° south, 53° coastal. Extremes 24°; 68°. Precipitation much below normal, averaging none north, 0.01 south, 0.30 coastal. Heaviest 24-hour total 0.09 in. 2nd, 3rd.

Harvest of hardy late season vegetables, corn for grain, soybeans active. Harvest of Irish potatoes, sweetpotatoes, apples, cranberries about complete. Seeding of cover crops, grains continued as crops harvested. Early seedings growing well.

NEW MEXICO: Average temperatures generally above normal. Temperatures 150 northern mountains to 790 southern desert. Precipitation throughout State. Precipitation none to 0.84 in. central valley and highlands.

Days suitable for fieldwork 6.1. Soil moisture 7% short, 72% adequate, 21% surplus. Freeze damage 59% none, 33% light, 8% moderate. Alfalfa 58% fair, 42% good. Cotton 25% fair, 75% good; 97% open bolls, 100% 1984, 98% avg.; 20% harvested, 16% 1984, 40% avg. Corn 20% fair, 60% good, 20% excellent. Barley 14% fair, 86% good. Irrigated, dryland wheat 100% good. Irrigated grain sorghum 33% fair, 56% good, 11% excellent. Dryland grain sorghum 50% fair, 50% excellent. Pecans 20% fair, 80% good. Apples 25% fair, 75% good. Chile 100% good. Lettuce 50% fair, 50% good. Cattle 23% fair, 69% good, 8% excellent. Sheep 22% fair, 67% good, 11% excellent. Range 41% fair, 42% good, 17% excellent.

NEW YORK: Week began with very mild weather. Temperatures 27th reached 60s and low 70s. Coldest weather for fall settled in on 28th, highs in 40s on 28th, 29th. Temperatures moderate remainder of week. Almost no rain across State.

Corn silage harvest winding down. Grain corn harvest full swing. Winter wheat looking good.

NORTH CAROLINA: Temperatures 7 to 80 above normal coastal Plain region, near normal to 40 above normal Piedmont region, few degrees above normal mountain region. Rainfall ranged from 0.10 to 6.98 in. across State.

Days suitable for fieldwork 3.7. Soil moisture 7% short, 65% adequate, 28% surplus. Corn harvested for grain 94%, 94% 1984, 95% avg. Cotton harvested 55%, 51% 1984, 69% avg. Peanuts dug 98%, 99% 1984, 91% avg.; threshed 89%, 96% 1984, 81% avg. Soybeans 3% poor, 48% fair, 49% good; leaves dropped 81%, 76% 1984, 77% avg.; harvested 14%, 18% 1984, 24% avg. Grain sorghum harvested 76%, 72% 1984, 78% avg. Sweetpotatoes 31% fair, 59% good, 10% excellent; harvested 84%, 84% 1984, 85% avg. Apples harvested 93%, 91% 1984, 93% avg. Pasture 1% poor, 33% fair, 66% good. Major farm activities: Grading and marketing tobacco; harvesting apples, corn, sorghum, fall vegetables, soybeans and cotton; digging sweetpotatoes; digging and threshing peanuts; land preparation for cover crops; fall seeding of small grains; haying; conservation work; mowing and general fall maintenance.

NORTH DAKOTA: Mild weather continued statewide. Temperatures averaged from 90 above normal northwest to 40 above normal central and southeast. High during period 780 southwest, low 140 south central. Precipitation spotty and light. Mainly in mid to late week. Greatest precipitation 0.21 in. northwest.

Mostly dry week, but moisture supplies continued much wetter than normal. Statewide, topsoil 12% short, 86% adequate, 2% surplus. Subsoil 23% short, 73% adequate, 4% surplus. Relatively moisture-free week allowed excellent row crop harvest progress. Dry bean harvest complete. Soybeans 95% combined, 95% 1984, 92% avg.; flax 97% combined, 100% 1984, 95% avg.; sunflower 59% combined, 74% 1984, 70% avg.; corn 65% harvested, 89% 1984, 81% avg.

OHIO: Average highs from mid 50s to low 60s, average lows from mid 40s to around 500. Precipitation over 1.00 in. all areas. Four inch bare soil temperatures low to mid 50s.

Days suitable for fieldwork 5.5. Topsoil moisture 17% short, 76% adequate, 7% surplus. Corn harvested for grain 55%, 35% 1984, 65% avg. Soybeans harvested 85%, 65% 1984, 85% avg. Row crop harvest slowed as farmers await drier

conditions. Farmers, elevators storing corn outside as available space tightens. Winter wheat 5% fair, 82% good, 13% excellent; planting 95%, 85% 1984, 95% avg.; emerged 80%, 70% 1984, 75% avg.; stands reported even.

OKLAHOMA: Temperatures averaged 30 below normal southeast to 10 above normal northeast. Precipitation averaged none Panhandle to 2.00 in. south central.

Days suitable for fieldwork 3.2. Topsoil moisture 40% adequate, 60% surplus. Subsoil moisture 100% adequate. Wheat 20% fair, 80% good. Wheat 85% planted, 80% 1984, 90% avg. Wheat 65% emerged, 45% 1984, 60% avg.; nearly 10% grazed. Sorghum 65% harvested, 50% 1984, 55% avg. Prolonged wetness damage some sorghum east. Cotton 30% fair, 70% good. Cotton 99% open bolls, 98% 1984, 95% avg. Cotton 20% harvested, 20% 1984, 15% avg. Development well advanced, susceptible to adverse weather. Pastures still growing. Cattle marketings increased east, prices slightly lower than preceding week.

OREGON: Temperatures 1 to 30 below normal throughout State, except north central areas 20 above normal. Average of 1.50 in. precipitation along coast ranged and north Cascades, from 0.30 to 0.60 in. fell in western valleys and high plateau area, less than 0.10 in. rest of State.

Soil moisture 35% short, 65% adequate. Winter wheat 89% planted, 87% 1984, 93% avg.; 63% emerged, 65% 1984, 76% avg. Fall seeded crops look good. Corn for grain at Hermiston 67% harvested. Haying, grain harvest completed in eastern high country. Mint planting started in central area. Late sugarbeet harvesting Malheur County. Tree fruit harvests completed all growing areas; fall sprays and fertilizers applied. Red raspberry training and blueberry pruning in west. Grape, filbert harvests complete. Walnut harvest started. Southern Coast cranberries 90% harvested; color and quality excellent. Cauliflower, cole and root crops near season end. Onions all harvested. Potatoes all harvested except some late digging Malheur County. Livestock good. Cattle to low elevation ranges. Some supplemental hay feeding began. Western pastures good; eastern rangeland normal condition.

PUERTO RICO: Island average rainfall 3.30 in., 1.65 in. above normal. Highest weekly total 7.28 in. Highest 24-hour total 3.18 in. Temperatures averaged about 78 to 800 on coast and 750 interior divisions. Mean station temperature ranged from 68 to 810. Extreme 590; 910. Total rainfall 1.05 in., minus 0.28 in.

PENNSYLVANIA: Temperatures averaged 470, 30 above normal. Average rainfall 0.27 in., 0.46 in. below normal.

Days suitable for fieldwork 5.0. Corn 51% harvested, 28% 1984, 54% avg. Corn for silage virtually complete, same as 1984. Fourth cutting alfalfa 94% harvested, 75% 1984. Soybeans 46% harvested, 30% 1984. Quality of hay made 26% poor, 58% fair, 16% good. Amounts of feed being obtained from pastures 29% below avg., 71% avg. Activities include: Harvesting corn, corn silage, soybeans, green chop, hay, apples, turnips, cauliflower, squash, pumpkins; finishing fall plowing, seeding barley and winter wheat; hauling manure, winterizing barns and machinery.

SOUTH CAROLINA: Weather warmer, wetter than usual. Continued cloudiness. Temperatures considerably above normal. Lows in 50s; highs in 70s.

Days available for fieldwork 1.8. Soil moisture 2% very short, 2% short, 83% adequate, 13% surplus. Soybeans 2% very poor, 10% poor, 60%

fair, 22% good, 6% excellent. Soybeans leaves turning 100%; 93% shedding, 87% 1984, 88% avg.; 74% mature, 63% 1984, 60% avg.; 13% harvested, 17% 1984, 17% avg. Cotton 3% poor, 52% fair, 38% good, 7% excellent; 85% harvested, 61% 1984, 80% avg.; cotton open bolls 100%. Tobacco 91% stalks destroyed, 93% 1984. Hay, pastures, winter grazing, small grain, livestock fair to good.

SOUTH DAKOTA: Temperatures ranged 1 to 80 above normal. Extremes 110; 840. Precipitation light.

Days suitable for fieldwork 6.0. Topsoil moisture adequate east, short west; scattered surplus east, critically short west; 11% critically short, 26% short, 57% adequate, 6% surplus. Subsoil moisture adequate east, short and critically short west; 16% critically short, 26% short, 50% adequate, 8% surplus. Corn 1% very poor, 5% poor, 13% fair, 62% good, 19% excellent. Corn 35% harvested, 61% 1984, 75% avg. Winter wheat 1% very poor, 5% poor, 26% fair, 59% good, 9% excellent. Winter wheat 100% seeded, 100% 1984, 100% avg. Winter wheat 97% emerged, 100% 1984, 100% avg. Sorghum 2% very poor, 10% poor, 43% fair, 35% good, 10% excellent. Sorghum 73% harvested, 79% 1984, 85% avg. Soybeans 3% very poor, 6% poor, 8% fair, 61% good, 22% excellent. Soybeans 85% harvested, 72% 1984, 92% avg. Warm, windy weather helped crop dry down.

TENNESSEE: Remnant showers from hurricane produced showers over most of State, almost lightest east. Temperatures cool, averaged 60°.

Farmers averaged 3.0 days suitable for fieldwork. Soil moisture 16% short, 48% adequate, 36% surplus. Harvest slowed, halted in west. Corn 85% harvested, 55% 1984, 75% avg. Cotton 65% harvested, 40% 1984, 75% avg. Burley tobacco 45% stripped, 35% 1984, 45% avg. Soybeans 35% harvested, 15% 1984, 40% avg.; 90% mature, 85% 1984, 90% avg. Sorghum 95% harvested, 53% 1984. Wheat 50% sown, 29% 1984, 55% avg. Pasture good to excellent. Livestock continued in good condition.

TEXAS: Hurricane Juan main weather story early week. System left Upper Coast, southeast soaked, fieldwork standstill rest of week. Cold air pushed through State 1st, 2nd. Heavy rains reported near San Angelo early 1st. Clearing skies followed front, freezing temperatures pushed through High Plains into West Central. Warming trend in progress weekend. Tropical system left rainfall totals above normal Cross Timbers through east, south, coastal Plains. Heaviest amounts eastern sections State. Below normal rainfall west, southwest, Lower Rio Grande Valley. Below normal temperatures.

Crops: Cotton 80% open bolls, 75% 1984, 86% avg.; 28% harvested, 24% 1984, 32% avg. Cotton 2% poor, 50% fair, 44% good, 4% excellent. Harvest good progress Plains most week, windy conditions helped dry out fields. Fields continued good, despite rains. Some fields showing considerable stringing out. Some defoliating, most producers waiting for killing freeze. Drier weather needed across Plains. Sorghum 99% mature, 98% 1984, 99% avg.; 81% harvested, 81% 1984, 88% avg. Harvest moved rapidly during week, despite damp morning conditions. Producers harvesting mostly high-moisture grain last week. Rains late week stalled operations. Additional dry weather needed. Corn 98% harvested, 99% 1984, 99% avg. Harvest moved rapidly remaining fields, now virtually complete Plains. Wheat 70% planted, 87% 1984, 82% avg.; 55% emerged, 67% 1984, 65% avg. Small grains continued good to excellent growth with additional moisture. Some cases white grub problems Blacklands. Most fields Plains excellent condition. Minor armyworm problems continued

scattered oat fields. Some early-planted wheat fields providing good grazing. Peanuts 47% harvested, 46% 1984, 52% avg. Digging, combining active most week many areas. Many fields Blacklands late and poor. Yields south also lower than earlier expected. Winds, heavy dews hampering harvest Cross Timbers. Soybeans 28% harvested, 55% 1984, 48% avg. Harvest rapid progress Plains until late last week. Morning dampness delayed combining each day. Yields continued low. Upper coast wet fields delayed harvesting about two weeks. Other Field Crops: Sugarbeets 28% harvested, 60% 1984, 44% avg. Harvesting High Plains picked up; stockpiles increasing factory quality remains good. Pecans 11% harvested, 13% 1984, 16% avg. Sunflowers 63% harvested, 59% 1984, 72% avg. Oats 66% planted, 83% 1984, 76% avg. Sugarcane harvest underway Rio Grande Valley, good progress reported. Good sugar, cane yields. Increased yields expected as additional drying occurs.

Commercial Vegetables: Rio Grande Valley, cucumber harvest continued. Pepper harvest increased. Good progress other vegetables. Early orange harvest continued slow pace. Quality harvest fruit good. San Antonio-Winter Garden, land preparation, field activities increased, fields dried out. Early-planted spinach nearing harvest. East sweetpotato harvest slowed because wet fields. Yields good, quality down slightly. Harvest continued most greens. High Plains carrot harvest continued. Bell pepper harvest almost complete. Bell pepper harvest continued before rain late week. Some wilt in chilies. Pecan harvesting continued most areas. High winds with cold front caused significant nut droppage. Extreme south heavy losses expected because Hurricane Juan.

Range and Livestock: Most grasses showing good growth from added moisture. Small grain pastures providing good grazing some areas. Cattle, sheep good condition. Fall lambing, calving continued Blacklands. Markets continued steady to slightly improved.

UTAH: Temperatures above normal ranging from 60° above in western, south central to 90° above in Dixie. Precipitation very light ranging from none to 0.06 in.

Open fall allowing maximum use of field aftermath of grazing. Good weather for corn harvest. Farmers getting ready for winter.

VIRGINIA: Beginning period sunny, mid period cloudy, end period wet temperatures above normal, ranged from low in 30s to high of 82°. Rainfall above normal. Heaviest in central, eastern areas. Rainfall ranged 0.40 to 2.13 in.

Days suitable for fieldwork averaged 3.4. Topsoil moisture 17% short, 54% adequate, 29% surplus. More fieldwork delays in southeast due to rain. Grain corn 82% harvested, 73% 1984, 82% avg. Soybeans 22% harvested, 34% 1984, 38% avg. Peanut digging, combining virtually complete. Final yields reduced by excessive rain and wet fields. Oats 93% seeded, 94% 1984, 93% avg. Barley 82% seeded, 87% 1984, 89% avg. Wheat 50% seeded, 58% 1984, 64% avg. Apple harvest almost complete. Flue-cured tobacco markets close soon. Grading, stripping burley tobacco. Burley markets open 18th. Still harvesting some fall vegetables. Livestock mostly excellent. Cattle and lamb sales active. Calving season starting. Pasture mostly good to excellent. Fall activities planting cover crops, fencing, cutting firewood.

WASHINGTON: Rain west, dry east of Cascades. Temperatures normal to slightly below normal.

Days suitable for fieldwork 4.8. Soil moisture 17% short, 66% adequate, 17% surplus. Hay supplies 25% short, 75% adequate. Range and

Soybeans harvested 47%, 56% 1984, 56% avg. Winter wheat, rye good condition. Fall plowing 25%, 30% 1984, 30% avg. Pastures 87% of normal, 88% 1984, 89% avg.

WYOMING: Temperatures well above normal. Precipitation below normal.

Winter wheat mostly good. Sugarbeet harvest continued at rapid pace. Dry bean harvest in wind-up stages most areas. Corn for grain harvest continued at a rapid pace. Some damage to corn fields from high winds late October. Livestock fair to good condition. Supplemental feeding in areas short winter pasture. Movement to market continued. Hay supplies short in northeastern areas.

pasture 58% short, 42% adequate. Winter wheat 100% seeded, 99% 1984, 99% avg.; emerged 86%, 91% 1984, 92% avg. Potatoes 96% harvested, 94% 1984. Grain corn and carrot harvest continued.

WEST VIRGINIA: Days worked averaged 4.4. Harvesting corn, general farm maintenance. Fall seeding: Wheat 96% complete; barley 99% complete. Corn 81% harvesting.

WISCONSIN: Average temperatures 3 to 6° above normal. Precipitation 0.60 to 2.80 in. north, 0.90 to 3.00 in. central, 1.70 to 2.90 in. south. Days suitable for fieldwork 3.8. Soil moisture 46% adequate, 54% surplus; field conditions improved. Corn harvested 35%, 47% 1984, 41% avg.

Heating Degree Days (Base 65° F.)

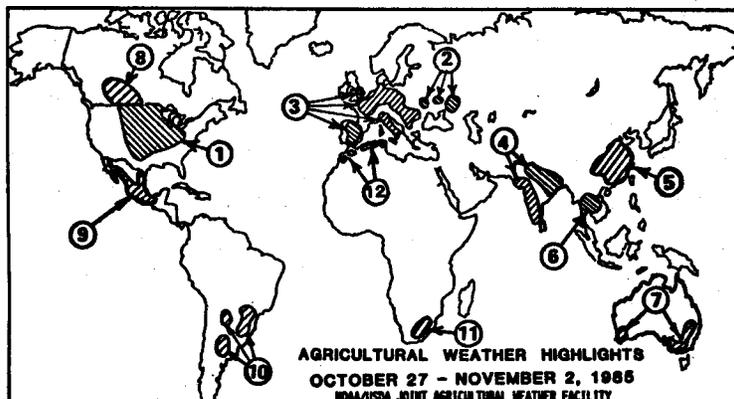
October 1985

ALA. Birmingham	65	MAINE, Caribou	650	OKLA. Okla. City	145
Mobile	22	Portland	433	Tulsa	111
Montgomery	26	MD. Baltimore	201	OREG. Astoria	438
ALASKA, Anchorage	1025	MASS. Boston	298	Burns	717
Barrow	1689	Chatham	300	Medford	368
Fairbanks	1430	MICH. Alpena	554	Pendleton	452
Nome	1202	Detroit	368	Portland	373
ARIZ. Flagstaff	532	Flint	417	Salem	423
Phoenix	0	Grand Rapids	436	PA. Allentown	324
Tucson	9	Houghton Lake	535	Erie	316
Winslow	268	Lansing	438	Harrisburg	237
Yuma	2	Marquette	645	Philadelphia	187
ARK. Fort Smith	112	S. Ste. Marie	590	Pittsburgh	300
Little Rock	89	MINN. Duluth	686	Scranton	376
CALIF. Bakersfield	78	Internatl Falls	704	R.I. Providence	321
Eureka	314	Minneapolis	537	S.C. Charleston	16
Fresno	63	Rochester	580	Columbia	45
Los Angeles	17	St. Cloud	642	Greenville	101
Red Bluff	98	MISS. Jackson	54	S. DAK. Aberdeen	608
Stockton	110	Meridian	53	Huron	553
San Diego	0	MO. Columbia	210	Rapid City	544
San Francisco	158	Kansas City	260	Sioux Falls	562
COLO. Denver	435	St. Louis	145	TENN. Chattanooga	67
Grand Junction	371	Springfield	187	Knoxville	86
Pueblo	410	MONT. Billings	471	Memphis	57
CONN. Bridgeport	278	Glasgow	673	Nashville	91
Hartford	402	Great Falls	629	TEX. Abilene	70
D.C. Washington	147	Havre	654	Amarillo	249
FLA. Apalachicola	2	Helena	696	Austin	12
Ft. Myers	0	Kalispell	755	Beaumont	14
Jacksonville	2	Miles City	552	Brownsville	1
Key West	0	Missoula	755	Corpus Christi	3
Miami	0	NEBR. Grand Island	399	Del Rio	9
Orlando	0	Lincoln	342	El Paso	125
W. Palm Beach	0	Norfolk	424	Fort Worth	53
Tallahassee	10	North Platte	502	Galveston	11
Tampa	0	Omaha	342	Houston	17
GA. Atlanta	71	Valentine	531	Lubbock	133
Augusta	28	NEV. Ely	635	Midland	87
Macon	41	Las Vegas	31	San Angelo	50
Savannah	16	Reno	446	San Antonio	9
IDAHO, Boise	511	Winnemucca	617	Victoria	6
Lewiston	499	N.H. Concord	485	Waco	38
Pocatello	597	N.J. Atlantic City	225	Wichita Falls	83
ILL. Cairo	151	N. MEX. Albuquerque	228	UTAH, Milford	495
Chicago	380	N.Y. Albany	452	Salt Lake City	360
Moline	347	Binghamton	458	VT. Burlington	489
Peoria	287	Buffalo	378	VA. Lynchburg	167
Rockford	402	New York	183	Norfolk	61
Springfield	223	Rochester	429	Richmond	114
IND. Evansville	185	Syracuse	415	Roanoke	171
Fort Wayne	319	N.C. Asheville	156	WASH. Colville	-
Indianapolis	245	Charlotte	85	Quillayute	498
South Bend	319	Greensboro	151	Seattle-Tacoma	413
IOWA, Des Moines	378	Hatteras	1	Spokane	622
Dubuque	465	Raleigh	98	Walla Walla	358
Souix City	414	Wilmington	17	Yakima	561
KANS. Concordia	288	N. DAK. Bismarck	636	W. VA. Beckley	247
Dodge City	331	Fargo	625	Charleston	127
Goodland	441	Williston	683	Huntington	164
Topeka	259	OHIO. Akron-Canton	329	WIS. Green Bay	508
Wichita	230	Cincinnati	212	Madison	475
KY. Lexington	179	Cleveland	338	Milwaukee	436
Louisville	160	Columbus	249	WYO. Casper	606
LA. Baton Rouge	23	Dayton	255	Cheyenne	612
Lake Charles	20	Toledo	356	Lander	602
New Orleans	12	Youngstown	365	Sheridan	605
Shreveport	49				

Based 1951-80 normals.

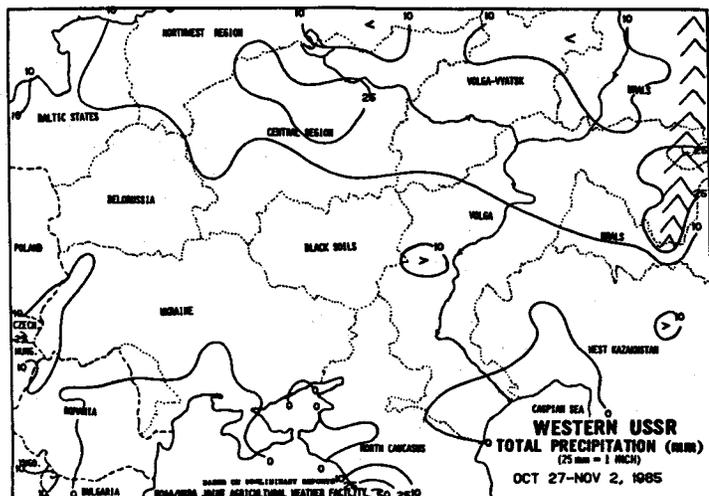
International Weather and Crop Summary

Oct. 27–Nov. 2, 1985



HIGHLIGHTS:

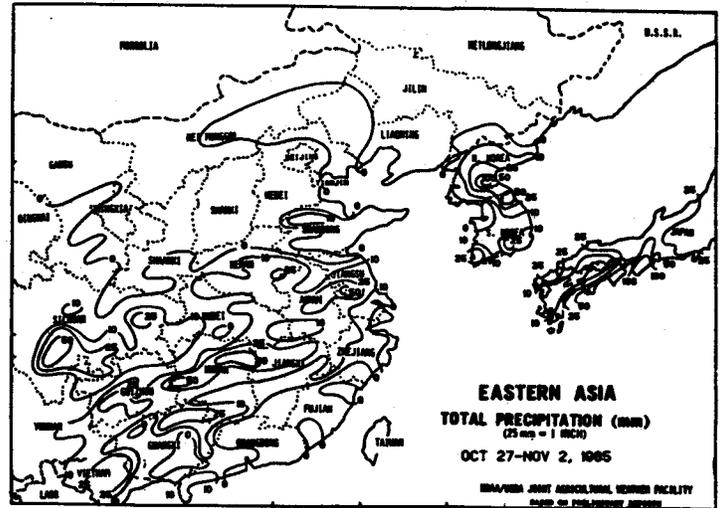
1. UNITED STATES ...Harvest progresses rapidly in much of the Corn Belt and throughout the Plains. Hurricane Juan brings floods to part of the gulf coast and rain to the East.
2. WESTERN USSR ... Moisture is limited for winter wheat in Moldavia, parts of the Ukraine, and the northern North Caucasus.
3. EUROPE ... Unfavorable dryness continues for winter grains in most areas. Showers benefit winter grains in Italy and Yugoslavia.
4. SOUTH ASIA ... Dry weather covers most areas. Moisture is adequate for filling winter rice and wheat establishment.
5. EASTERN ASIA ... Rain slows late winter wheat planting and cotton harvesting.
6. SOUTHEAST ASIA ... Drier weather in the region favors rice in the filling and maturing stages.
7. AUSTRALIA ... Rain slows wheat harvesting in Queensland while drier weather covers the remaining wheat areas.
8. CANADA ... The Canadian Prairies' grain harvest is nearly complete, helped by recent dryness. Seasonably cold, wintry weather prevails.
9. MEXICO ... Mostly dry, mild weather favors crop harvesting.
10. SOUTH AMERICA ... Wet weather eases dryness in Brazil's coffee and northern soybean areas, while rain slows Argentina's summer crop planting.
11. SOUTH AFRICA ... Very beneficial rain covers the Maize Triangle, significantly improving corn planting conditions.
12. NORTHWESTERN AFRICA ... Showers increase soil moisture for winter grain planting in Algeria. Dry weather continues in Morocco and Tunisia.



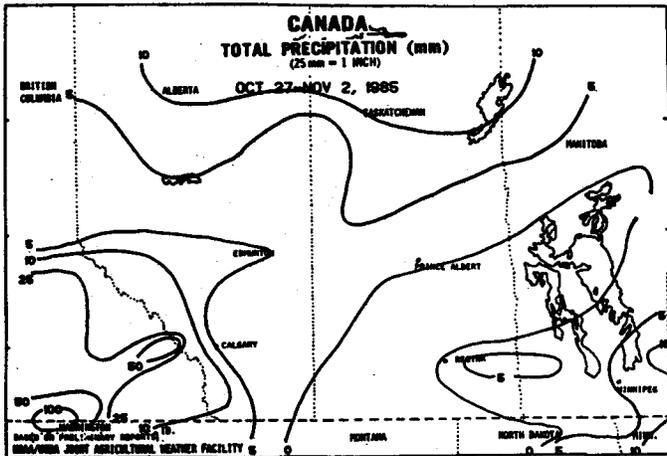
WESTERN USSR...Rain and snow showers covered northern winter grain areas, producing 10 to 38 mm of precipitation. Major winter wheat areas in the south were mostly dry. Moisture is limited for early plant growth in Moldavia, parts of the central and eastern Ukraine, and the northern North Caucasus. In addition, unseasonably cold weather in the south slowed plant growth. Winter grains in the Central Region, Black Soils, Volga Vyatsk Region, and the upper Volga are entering dormancy at near-normal dates.



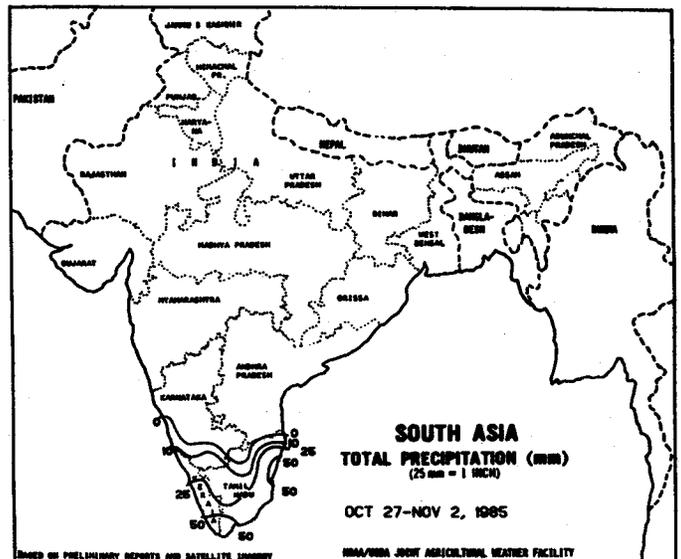
EUROPE...A ridge of high pressure continued to keep most agricultural areas dry. Moisture conditions remain unfavorably low for early winter wheat growth in France, East Germany, Czechoslovakia, Hungary, Romania, and Bulgaria. Weekly temperatures in these areas were below normal, slowing crop growth. Beneficial showers fell on winter grains in the Netherlands, Belgium, Italy, and Yugoslavia. A few showers covered crop areas in Spain, but additional rain is needed before winter grain planting can begin. By week's end, the persistent ridge of high pressure, which has kept most of Europe unseasonably dry since early September began to weaken, allowing moist maritime air to penetrate western crop areas.



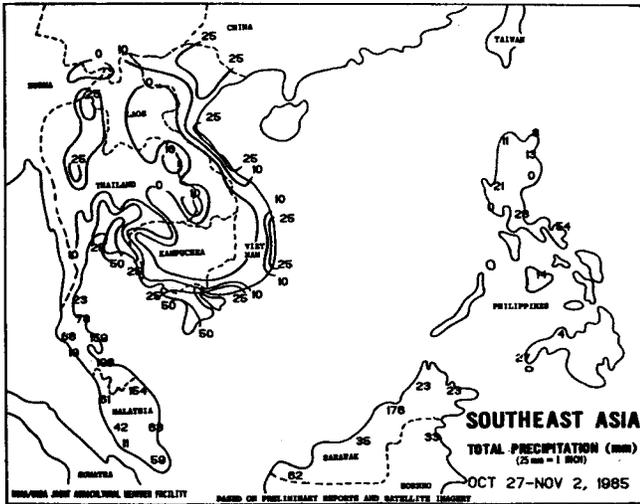
EASTERN ASIA...This week's weather was nearly the same as last week, with moderate rain falling across central China. Light to moderate rain (10-25mm) in most of Henan kept fields wet and continued to slow winter wheat planting. Temperatures averaged a few degrees above normal in eastern China, helping to dry maturing crops. Rain in Anhui and Jiangsu may lower cotton quality. Moderate to heavy rain (25-50mm) fell in Guizhou, Hunan, and Jiangxi while dry weather further south favored maturing late rice.



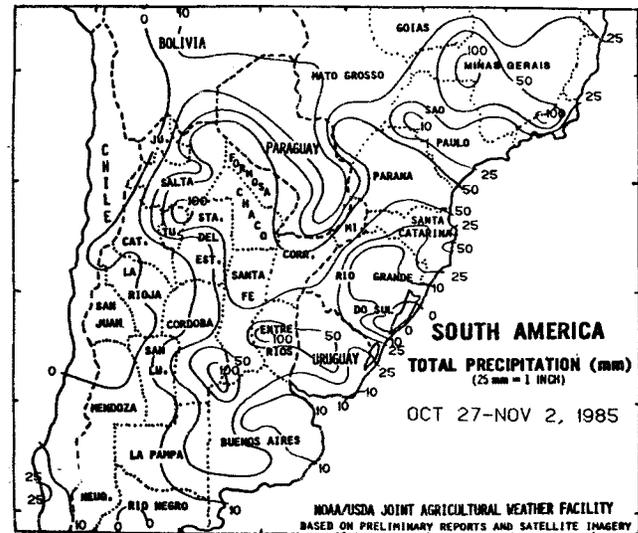
CANADA...The grain harvest is nearly complete in the Canadian Prairies. Harvesting in Saskatchewan, the leading grain-producing province, is about 95 percent complete. Mostly dry weather helped late fieldwork this past week, but seasonably cold weather made field drying of unharvested crops more difficult. Weekly temperatures actually averaged slightly above normal, but mean temperatures were only a few degrees above freezing. Unharvested crops are mostly confined to northern extremes of the grain belt, where wintry weather is prevalent. Weekly summaries will be discontinued until next spring, but monthly highlights of temperature and precipitation patterns will continue through the winter months.



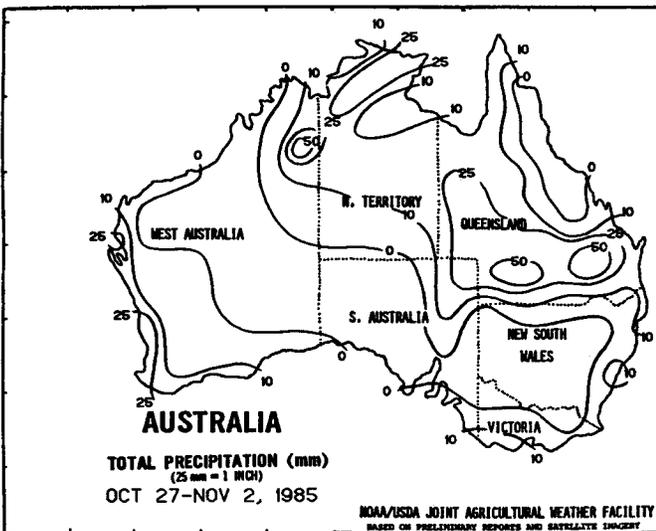
SOUTH ASIA...Nearly all of India was seasonally dry. Moisture is adequate for winter rice in the filling stage in eastern India. Dry weather across the northern wheat belt favored late planting, delayed by earlier wet weather. Moisture is favorable for wheat establishment. Wheat normally reaches the critical heading stage in January, coinciding with a short winter rainy season in northern India. Moderate rain (10-50mm) fell in Tamil Nadu and Kerala.



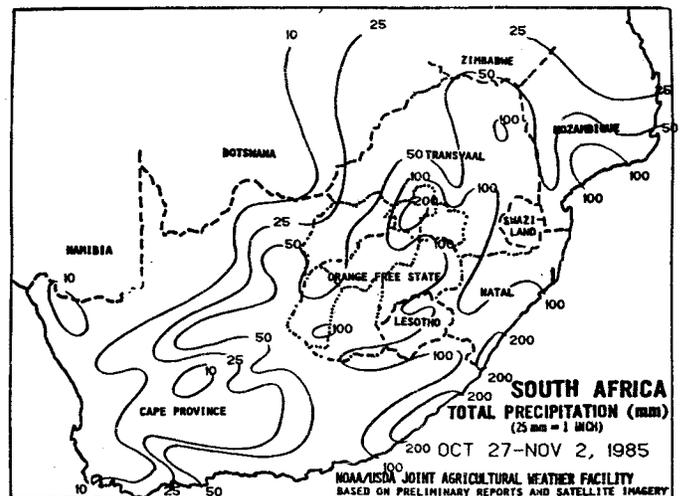
SOUTHEAST ASIA...Relatively dry weather covered northeastern Thailand where rainfed rice is in the grain filling to maturing stages. Moderate rain fell in northern and south central rice areas. Mostly dry weather occurred in Laos and Kampuchea while moderate rain fell along coastal Vietnam. Beneficial drier weather covered the Philippines following damaging tropical storms the previous 2 weeks.



SOUTH AMERICA...The persistently dry area of central Brazil, centered over western Sao Paulo and surrounding states, shrank considerably after locally heavy showers (50-143mm) fell in southern Minas Gerais, Parana, and extreme southern Mato Grosso do Sul. Some rain also fell in Sao Paulo. The moisture improved topsoils for summer crop planting, and eased the prolonged stress on coffee, sugarcane, and citrus. Relatively dry weather in Rio Grande do Sul favored maturing wheat while moisture is adequate in the south for emerging summer crops. Widespread rain fell over Argentina's crop areas, maintaining adequate to abundant moisture for crop development. Locally heavy rain (40-110mm) likely slowed summer crop planting. Corn, sorghum and sunflower planting are 60, 30, and 40 percent complete respectively. Soybean planting is just underway.



AUSTRALIA... Moderate to heavy rain (25-90mm) fell in much of southern Queensland, interrupting wheat harvesting. Mostly dry weather covered New South Wales where moisture is adequate for wheat in the grain filling stage. Dry weather occurred in South Australia and above-normal temperatures increased evaporation rates. Moderate rain (25-45mm) fell along the coast of Western Australia but did not extend very far into the major wheat region. Wheat harvesting in southern Australia normally begins in early November and extends into January. Most of the wheat is still in the grain filling stage.



SOUTH AFRICA...Widespread, heavy rain covered the Maize Triangle this week. Nearly all corn areas received at least 25mm of rain. Moderate to heavy rain (25-100mm) substantially improved moisture for corn planting and establishment in the West Transvaal and the Northwest Orange Free State, where 50 percent of South Africa's corn is normally produced. Excessive rain (200mm) may have produced localized flooding in Rand Province, and also in Natal's coastal sugar region. The rain producing frontal system pushed out warm temperatures early in the week.

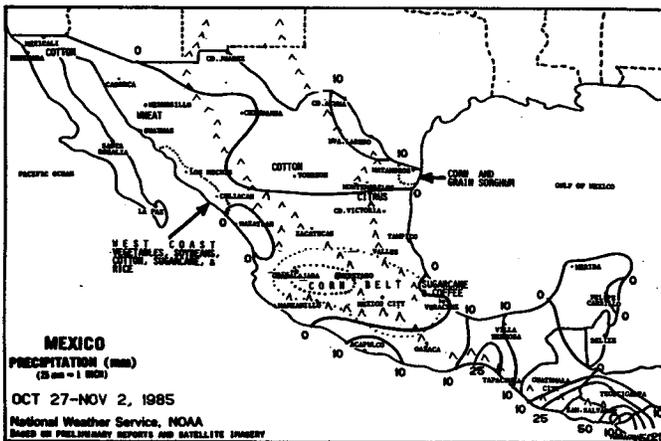
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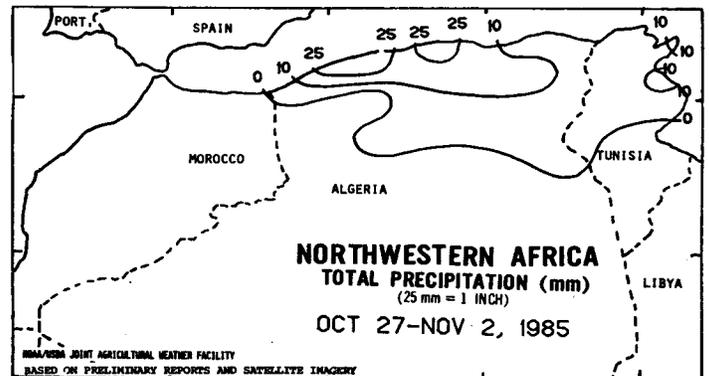
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MEXICO...Sunny, mild weather during most of the week favored harvesting of summer crops and development of winter vegetables across the northwestern half of the country. Dry weather extended across the Southern Plateau corn belt helping corn and bean harvesting. Generally light showers, mostly south of Veracruz, caused only minor interference for the sugarcane harvest. Dry, warm weather accelerated corn growth in the Yucatan peninsula. Light showers fell over northern rangelands.



NORTHWESTERN AFRICA...Widespread showers (10 to 25mm) increased topsoil moisture for winter grain planting in northern Algeria. Mostly dry weather covered winter grain areas in western Morocco and northern Tunisia. Rain is needed in these areas before winter grain planting can begin. Normally, the bulk of winter grain planting takes place in Tunisia in November, and Algeria and Morocco in December.

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