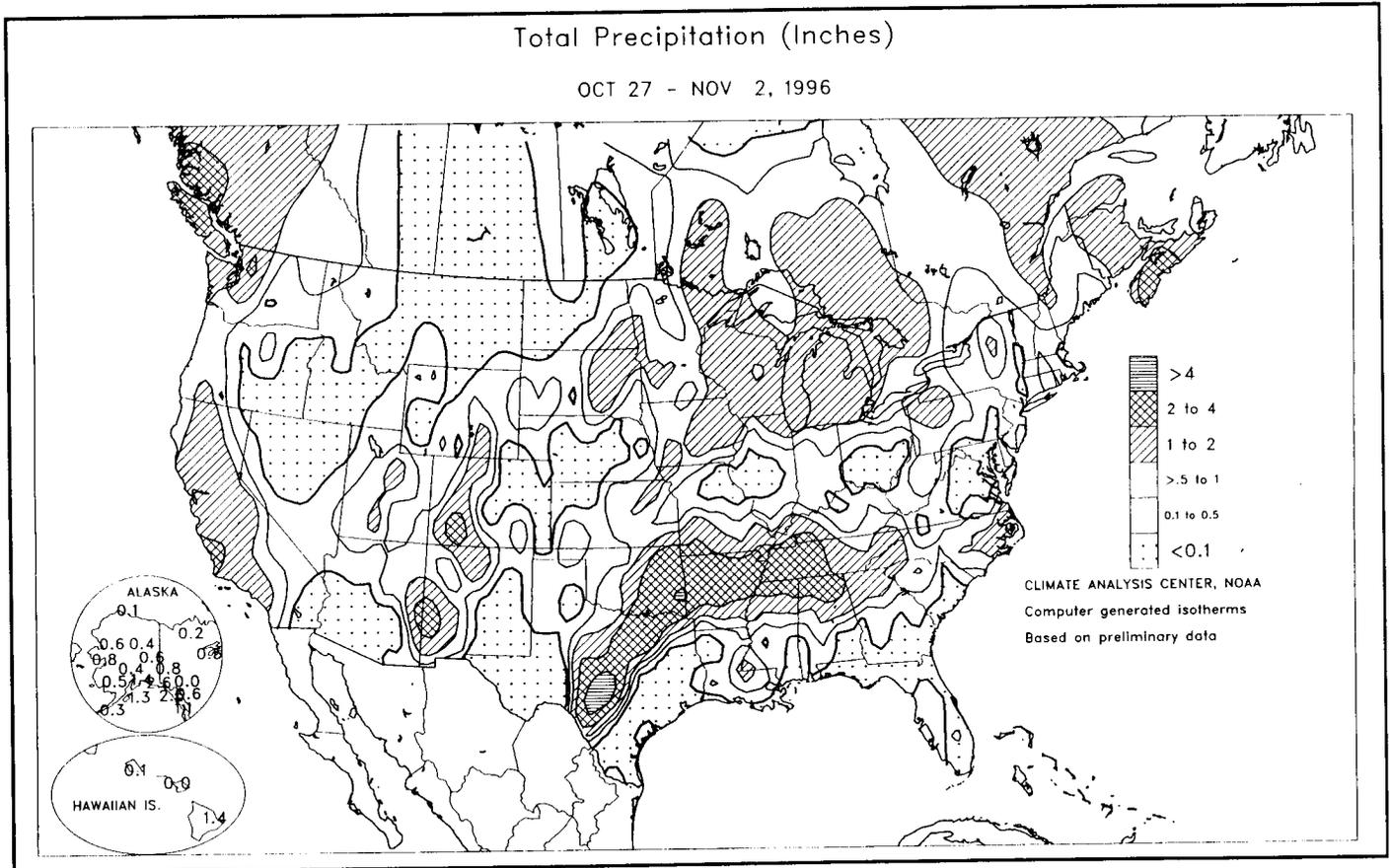


WEEKLY WEATHER AND CROP BULLETIN

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

U.S. DEPARTMENT OF AGRICULTURE
National Agricultural Statistics Service
and World Agricultural Outlook Board



HIGHLIGHTS

October 27 - November 2, 1996

An intense storm--packing a minimum central pressure of 28.82 inches (976 millibars) on Tuesday night--swept across the Plains and the Midwest with 50 to 70 mph wind gusts, toppling some corn stalks. The storm dislodged part of an Arctic airmass that had been building over Alaska for the past 7 weeks, allowing cold air to overspread much of the Nation. Weekly temperatures averaged 6 to 10°F below normal from the Southwest to the upper Midwest. Before cold air arrived, heavy rain soaked the northern Corn Belt, delaying harvest activities. In contrast, dry weather prevailed across the southern Corn Belt. Farther west, California's first major storm of the season delivered heavy precipitation, ending the wildfire threat. Late in the week, the storm raced eastward into the southern edge of the cold air, generating rain

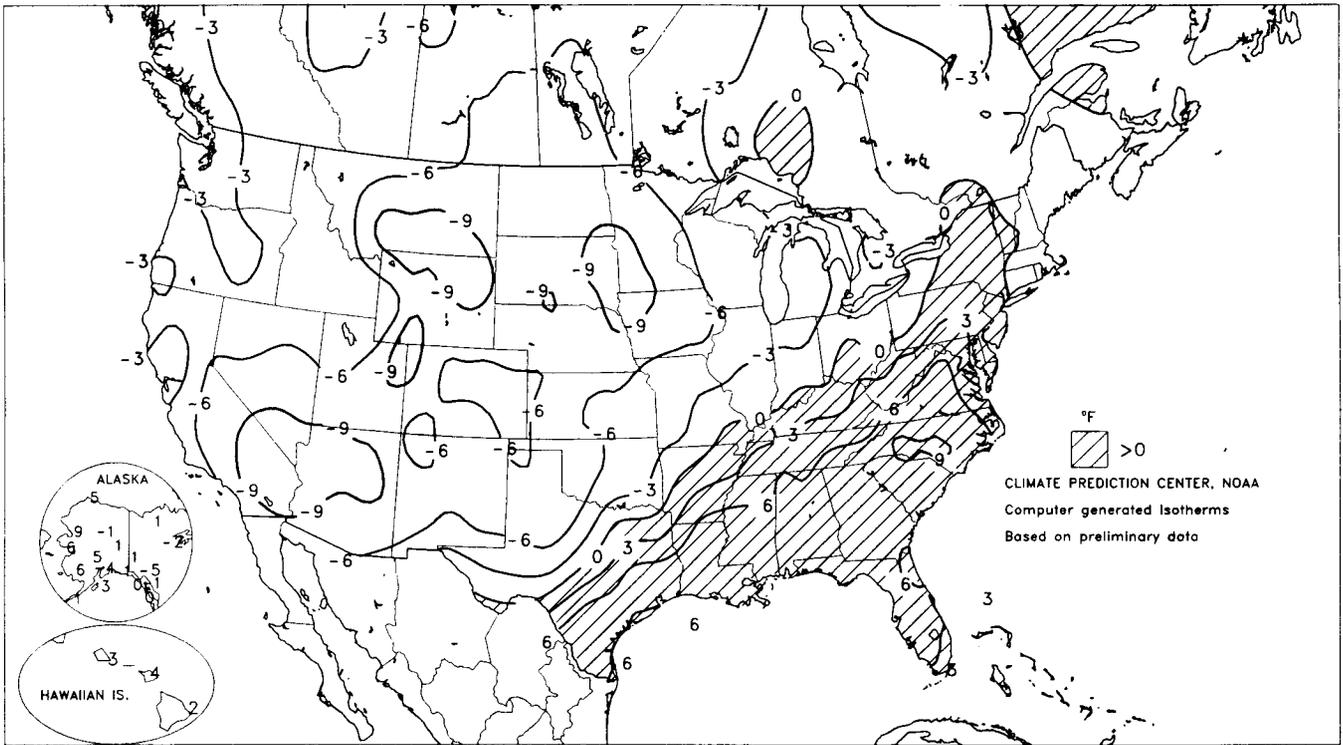
(Continued on back cover)

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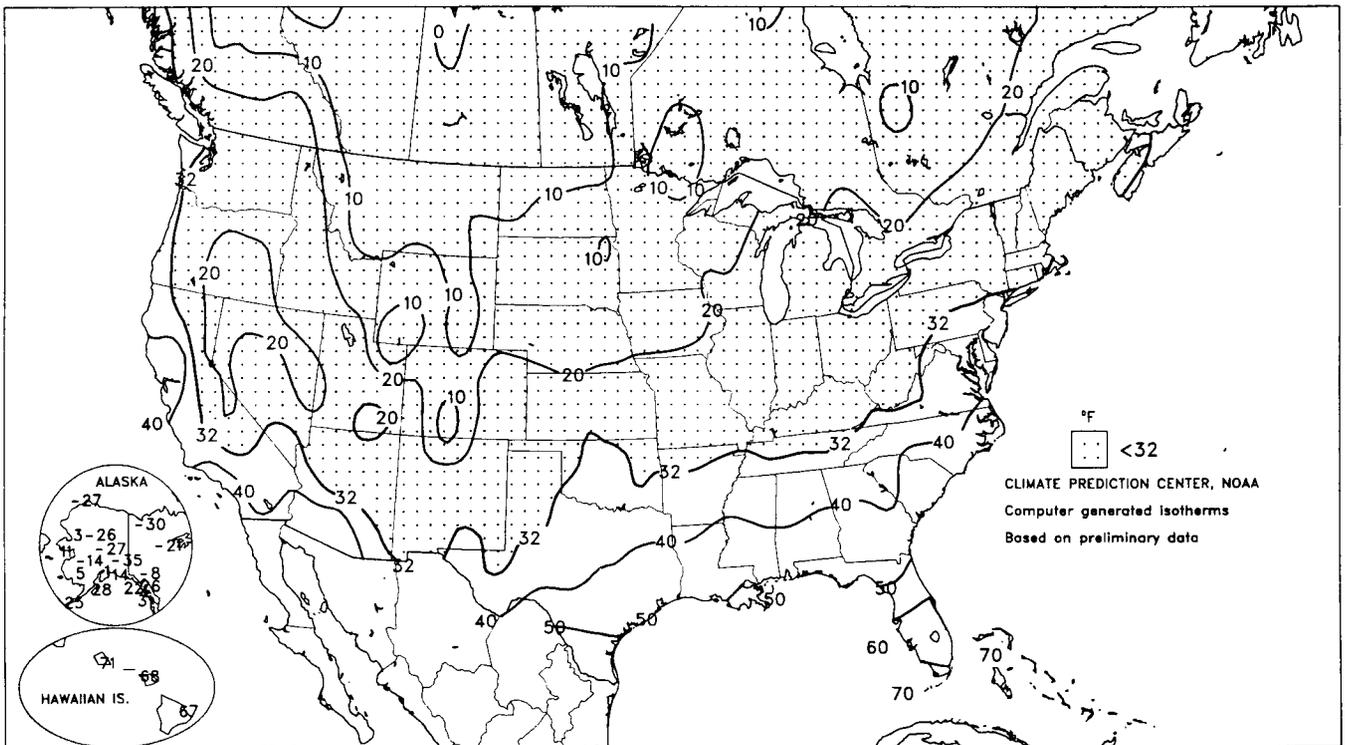
Departure of Average Temperature from Normal (°F)

OCT 27 - NOV 2, 1996



Extreme Minimum Temperature (°F)

OCT 27 - NOV 2, 1996



National Weather Data for Selected Cities

Weather Data for the Week Ending November 2, 1996

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 Sep 1	PCT. NORMAL SINCE Sep 1	TOTAL IN, SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	PRECIP.	
																		.01 INCH OR MORE	.05 INCH OR MORE
AL BIRMINGHAM	74	66	82	37	66	7	2.13	1.37	1.04	10.48	151	58.48	124	99	54	0	0	3	2
MOBILE	81	60	86	44	70	7	0.43	-0.28	0.23	8.94	78	53.92	98	97	48	0	0	3	0
MONTGOMERY	80	56	86	41	68	8	0.05	-0.63	0.03	9.31	141	56.43	122	98	48	0	0	2	0
AK ANCHORAGE	29	18	35	1	23	-4	1.44	1.10	1.10	4.57	96	12.86	93	94	78	0	7	3	1
BARROW	21	-1	34	-27	10	5	0.11	0.03	0.08	1.01	96	3.36	84	89	78	0	7	3	0
FAIRBANKS	23	6	31	-27	14	1	0.64	0.46	0.24	2.33	127	10.26	110	89	69	0	7	6	0
JUNEAU	42	30	47	26	36	-1	-	-	-	-	-	-	-	87	72	0	5	-	-
KODIAK	46	36	48	28	40	3	1.32	-0.17	0.50	13.72	94	42.69	77	92	67	0	3	4	1
NOME	34	21	39	11	27	6	0.81	0.56	0.58	2.66	70	14.48	110	94	74	0	6	4	1
AZ PHOENIX	72	50	82	44	61	-7	0.00	-0.14	0.00	0.91	59	4.04	66	56	17	0	0	0	0
PRESCOTT	53	28	63	23	40	-	0.14	-0.13	0.14	1.27	40	6.79	41	91	38	0	7	1	0
TUCSON	68	45	80	40	57	-8	0.00	-0.18	0.00	5.44	198	10.31	100	71	24	0	0	0	0
YUMA	73	50	78	48	62	-6	0.00	-0.06	0.00	0.00	0	0.93	38	55	20	0	0	0	0
AR FORT SMITH	64	47	84	33	58	-1	1.98	1.05	1.37	10.67	148	48.31	136	97	82	0	0	5	1
LITTLE ROCK	-	-	-	-	-	-	-	1.92	0.96	-	11.09	139	40.77	103	-	-	-	-	-
CA BAKERSFIELD	66	45	70	39	56	-7	0.35	0.23	0.35	0.92	180	5.12	115	82	35	0	0	1	0
EUREKA	56	42	63	37	49	-4	0.53	-0.54	0.53	4.71	116	34.15	133	95	51	0	0	1	1
FRESNO	62	44	69	40	53	-6	1.94	1.72	1.50	1.96	224	10.09	129	95	43	0	0	3	1
LOS ANGELES	67	51	72	48	59	-5	1.38	1.12	1.38	1.36	170	10.08	118	88	26	0	0	1	1
REDDING	68	43	78	36	55	-2	0.99	0.12	0.99	1.85	52	29.52	128	84	36	0	0	1	1
SACRAMENTO	66	46	81	41	56	-3	0.82	0.16	0.51	0.76	45	16.61	133	86	48	0	0	2	1
SAN DIEGO	67	52	72	49	58	-6	0.60	0.40	0.60	0.91	130	4.86	89	83	27	0	0	1	1
SAN FRANCISCO	62	48	69	45	55	-3	0.44	-0.04	0.42	0.87	41	19.13	137	88	53	0	0	2	0
CO DENVER	53	28	67	26	41	-5	0.00	-0.21	0.00	1.32	58	7.77	56	92	46	0	6	0	0
GRAND JUNCTION	51	31	58	26	41	-9	0.30	0.06	0.30	2.74	118	8.33	94	83	47	0	4	1	0
PUEBLO	56	27	67	19	41	-6	0.30	0.19	0.30	1.76	120	12.36	119	88	42	0	6	1	0
CT BRIDGEPORT	58	41	65	34	48	-1	0.48	-0.32	0.29	11.38	177	45.20	130	90	47	0	0	2	0
HARTFORD	56	36	69	27	46	-1	0.29	-0.57	0.24	11.93	157	45.03	123	87	44	0	2	2	0
DC WASHINGTON	67	51	82	38	59	4	0.01	-0.69	0.01	11.84	181	41.95	128	77	41	0	0	1	0
FL PANAMA CITY	81	64	86	48	73	8	-	-	-	-	-	-	-	98	80	0	0	-	-
DAYTONA BEACH	84	65	86	56	75	5	0.13	-0.82	0.13	13.87	131	56.35	132	98	58	0	0	1	0
JACKSONVILLE	85	61	86	46	73	4	0.00	-0.82	0.00	15.69	145	51.56	116	99	55	0	0	0	0
KEY WEST	84	75	86	74	80	2	0.08	-0.76	0.04	15.90	152	37.10	106	87	70	0	0	2	0
MIAMI	85	72	86	70	79	3	0.00	-0.94	0.00	15.51	116	53.43	103	82	60	0	0	0	0
ORLANDO	86	65	87	61	75	4	0.00	-0.44	0.00	9.21	109	53.50	122	96	56	0	0	0	0
TALLAHASSEE	86	58	88	47	71	7	0.09	-0.58	0.09	10.24	119	46.43	81	99	50	0	0	1	0
TAMPA	85	68	88	59	77	5	0.02	-0.30	0.02	8.53	108	42.93	107	94	64	0	0	0	0
WEST PALM BEACH	85	70	87	67	78	2	0.00	-1.34	0.00	9.73	64	36.22	87	88	59	0	0	0	0
GA ATLANTA	78	56	86	40	67	9	1.34	0.57	1.09	6.35	96	38.54	90	90	48	0	0	3	1
AUGUSTA	79	51	86	36	65	6	0.05	-0.54	0.05	4.91	82	32.60	83	98	48	0	0	1	0
MACON	80	55	87	43	68	7	0.16	-0.36	0.14	5.07	100	30.57	81	99	48	0	0	2	0
SAVANNAH	82	58	87	45	70	7	0.01	-0.46	0.01	6.24	91	29.08	86	97	53	0	0	1	0
HI HILO	84	70	87	67	77	2	1.38	-1.43	0.46	17.97	94	100.93	97	93	72	0	0	5	0
HONOLULU	86	74	91	71	81	3	0.14	-0.48	-	0.96	30	12.44	81	86	56	1	0	-	-
KAHULUI	90	71	94	68	81	4	-	-	-	-	-	-	-	86	54	5	0	-	-
LIHUE	-	72	-	69	-	-	-	-	-	-	-	-	-	90	77	-	-	-	-
ID BOISE	53	33	58	26	43	-3	0.08	-0.17	0.08	1.23	75	8.87	96	87	47	0	2	1	0
LEWISTON	51	34	59	28	43	-4	0.10	-0.13	0.06	2.15	119	13.61	133	96	80	0	3	2	0
POCATELLO	47	24	53	12	35	-7	0.00	-0.23	0.00	1.86	102	9.40	94	86	53	0	6	0	0
IL CHICAGO	51	33	66	22	42	-5	1.00	0.43	1.00	5.03	79	28.47	93	93	54	0	4	1	1
MOLINE	51	34	69	22	43	-4	0.68	0.09	0.68	2.85	40	24.87	72	84	48	0	4	1	1
PEORIA	54	36	71	21	46	-3	0.30	-0.27	0.30	2.87	43	24.87	79	80	44	0	4	1	0
QUINCY	54	37	75	21	46	-3	-	-	-	-	-	-	-	77	39	0	3	-	-
ROCKFORD	49	31	63	21	40	-5	1.38	0.78	1.38	4.48	65	39.08	122	86	45	0	4	2	1
SPRINGFIELD	57	38	74	21	47	-2	0.18	-0.38	0.18	2.23	37	26.58	88	80	44	0	3	1	0
IN EVANSVILLE	60	43	77	26	52	-2	0.23	-0.58	0.10	10.94	171	50.23	131	83	54	0	1	4	0
FORT WAYNE	54	36	67	25	44	-3	0.43	-0.16	0.43	5.87	111	37.28	127	86	54	0	3	1	0
INDIANAPOLIS	56	39	71	24	48	-1	0.03	-0.63	0.03	9.41	165	44.19	131	80	51	0	3	1	0
SOUTH BEND	52	34	70	25	43	-4	0.49	-0.22	0.49	5.37	78	36.98	112	86	50	0	3	1	0
IA DES MOINES	48	30	66	17	39	-7	0.96	0.33	0.94	6.99	104	31.44	101	81	45	0	4	2	1
SIOUX CITY	46	23	62	13	35	-10	0.41	0.08	0.40	3.52	72	29.82	124	82	41	0	6	2	0
WATERLOO	47	28	63	17	38	-6	1.19	0.69	1.19	7.37	119	26.05	85	87	46	0	5	1	1
KS CONCORDIA	52	34	67	24	43	-6	0.39	0.05	0.39	6.48	128	23.06	86	77	37	0	4	1	0
DODGE CITY	52	35	68	27	44	-7	0.56	0.33	0.34	6.48	202	29.40	147	87	44	0	3	3	0
GOODLAND	52	29	68	22	41	-5	0.03	-0.15	0.02	1.23	49	19.05	111	87	48	0	6	2	0
TOPEKA	53	38	67	25	45	-5	0.29	-0.28	0.27	6.48	93	34.01	106	78	40	0	3	2	0
WICHITA	53	39	67	29	46	-6	0.62	0.06	0.40	5.77	84	22.56	71	81	43	0	2	3	0
KY BOWLING GREEN	63	49	78	30	56	3	0.87	0.07	0.31	9.97	143	47.26	113	90	55	0	1	4	0
LEXINGTON	60	43	72	25	51	0	0.14	-0.51	0.12	6.22	105	43.54	116	89	49	0	1	2	0
LOUISVILLE	63	45	74	27	54	2	0.12	-0.59	0.09	8.23	135	40.02	107	86	52	0	1	2	0
LA BATON ROUGE	79	59	85	44	69	5	0.23	-0.59	0.23	16.89	198	55.48	108	100	54	0	0	1	0
LAKE CHARLES	81	62	86	46	72	7	0.34	-0.52	0.26	17.22	175	47.88	104	98	58	0	0	3	0
NEW ORLEANS	82	65	86	53	73	8	0.57	-0.17	0.55	7.02	81	44.87	86	96	51	0	0	2	1
SHREVEPORT	78	57	87	41	66	6	0.23	-0.66	0.19	9.04	114	36.90	90	97	62	0	0	3	0

Based on 1961-90 normals

Weather Data for the Week Ending November 2, 1996

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 Sep 1	PCT. NORMAL SINCE Sep 1	TOTAL IN. SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	82 AND BELOW	TEMP. °F		PRECIP.	
																		.01 INCH OR MORE	.05 INCH OR MORE		
ME CARIBOU	43	30	50	26	37	-1	0.96	0.20	0.78	6.28	93	34.15	113	92	64	0	5	4	1		
ME PORTLAND	52	32	56	27	42	-2	0.40	-0.68	0.25	18.11	245	47.19	134	88	50	0	5	2	0		
MD BALTIMORE	65	44	78	34	55	3	0.14	-0.57	0.07	9.95	151	44.86	131	88	40	0	0	2	0		
MD SALISBURY	66	45	79	37	55	2	0.00	-0.74	0.00	9.85	135	47.91	123	92	50	0	0	0	0		
MA BOSTON	55	42	61	34	48	-2	0.28	-0.58	0.22	15.83	234	43.11	128	74	39	0	0	2	0		
MA CHATHAM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
MI ALPENA	48	31	72	21	39	-3	0.86	0.20	0.46	8.46	180	23.82	96	89	53	0	5	6	0		
MI DETROIT	52	38	68	26	44	-2	0.89	0.37	0.85	5.95	116	21.10	77	81	51	0	4	3	1		
MI FLINT	50	32	70	25	41	-4	1.00	0.48	0.99	5.90	96	21.59	84	86	57	0	4	2	1		
MI GRAND RAPIDS	49	34	69	29	41	-2	1.02	0.36	1.02	5.39	75	23.40	77	82	56	0	4	1	1		
MI HOUGHTON LAKE	45	30	66	24	38	-4	1.29	0.81	0.65	7.04	124	30.45	125	86	59	0	6	4	2		
MI LANSING	50	32	70	27	41	-2	1.01	0.42	0.99	5.04	75	24.28	90	88	53	0	5	2	1		
MI MARQUETTE	42	25	59	18	33	-4	0.90	0.18	0.79	7.20	91	36.13	120	93	82	0	6	3	1		
MI MUSKEGON	48	34	63	30	41	-4	1.01	0.37	0.97	5.83	85	23.22	87	81	54	0	5	2	1		
MI SAULT ST. MARIE	45	27	64	12	36	-3	1.83	0.87	0.85	11.96	168	36.57	129	90	62	0	6	5	1		
MN ALEXANDRIA	37	22	52	12	29	-9	-	-	-	-	-	-	-	93	59	0	8	-	-		
MN DULUTH	39	24	55	10	31	-6	0.70	0.23	0.61	8.22	129	30.21	111	90	60	0	6	2	1		
MN INT'L FALLS	39	22	53	9	30	-5	0.99	0.66	0.85	5.77	112	24.08	107	92	63	0	6	3	1		
MN MINNEAPOLIS	44	25	57	16	35	-7	0.79	0.36	0.73	4.24	85	19.16	74	83	51	0	5	2	1		
MN ROCHESTER	44	24	59	15	34	-7	0.69	0.25	0.69	4.83	83	24.47	90	87	55	0	6	1	1		
MS GREENWOOD	76	56	87	37	66	7	-	-	-	-	-	-	-	97	52	0	0	-	-		
MS JACKSON	78	55	87	43	67	7	0.14	-0.75	0.11	3.21	49	46.93	106	97	47	0	0	2	0		
MS MERIDIAN	79	54	86	40	67	7	0.08	-0.72	0.07	6.13	90	48.57	105	97	44	0	0	2	0		
MO CAPE GIRARDEAU	62	46	77	29	54	1	1.13	0.37	0.74	7.74	114	33.04	86	92	53	0	1	5	1		
MO COLUMBIA	55	40	75	26	48	-2	0.82	0.09	0.58	9.03	121	33.86	102	76	46	0	2	2	1		
MO KANSAS CITY	54	38	69	23	46	-4	0.17	-0.39	0.12	3.11	38	30.89	90	73	38	0	3	2	0		
MO SAINT LOUIS	58	43	76	28	51	-2	0.21	-0.46	0.15	5.61	93	35.30	112	74	46	0	1	2	0		
MO SPRINGFIELD	56	40	69	26	48	-4	3.20	2.35	2.78	12.50	144	33.35	89	91	46	0	2	3	1		
MT BILLINGS	41	22	54	6	32	-11	0.16	-0.06	0.16	2.19	86	10.98	81	80	52	0	6	1	0		
MT GLASGOW	48	17	63	8	33	-8	0.00	-0.09	0.00	3.00	184	8.37	81	82	40	0	7	0	0		
MT GREAT FALLS	48	21	61	2	35	-7	0.05	-0.09	0.03	1.96	96	8.61	63	73	44	0	6	2	0		
MT HAVRE	50	18	63	1	34	-4	0.00	-0.08	0.00	2.25	132	10.41	101	84	45	0	6	0	0		
MT HELENA	46	14	57	4	30	-9	0.02	-0.09	0.02	0.56	32	8.63	81	86	36	0	7	1	0		
MT KALISPELL	40	22	43	15	31	-5	0.39	0.16	0.24	3.26	148	19.31	143	91	52	0	6	2	0		
MT MILES CITY	46	21	58	12	33	-7	0.00	-0.15	0.00	1.94	88	12.09	93	90	43	0	7	0	0		
MT MISSOULA	45	24	50	15	34	-4	0.17	0.00	0.17	1.26	66	12.94	112	81	45	0	5	1	0		
NE GRAND ISLAND	51	28	65	17	39	-6	0.07	-0.17	0.07	3.37	80	27.29	117	78	37	0	5	1	0		
NE LINCOLN	51	30	66	16	40	-6	0.28	-0.08	0.28	4.25	76	32.81	125	78	35	0	5	1	0		
NE NORFOLK	48	24	61	15	36	-9	0.18	-0.10	0.18	3.46	85	21.80	92	79	40	0	6	1	0		
NE NORTH PLATTE	48	26	64	19	37	-6	0.01	-0.16	0.01	5.88	227	24.36	133	88	44	0	6	1	0		
NE OMAHA	49	32	65	18	40	-7	0.46	0.05	0.43	6.51	107	28.73	105	78	42	0	5	2	0		
NE SCOTTSSBLUFF	49	23	63	18	36	-7	0.12	-0.05	0.08	2.79	146	15.36	109	87	43	0	7	2	0		
NE VALENTINE	47	22	62	17	35	-10	0.57	0.35	0.57	5.77	161	16.48	78	91	43	0	7	1	1		
NV ELY	43	23	48	17	33	-8	0.41	0.24	0.27	1.06	54	5.95	67	90	58	0	7	2	0		
NV LAS VEGAS	61	43	68	37	52	-10	0.11	0.04	0.07	0.11	22	1.02	31	67	31	0	0	2	0		
NV RENO	51	28	61	19	40	-6	0.17	0.03	0.11	0.73	92	8.17	143	86	41	0	4	2	0		
NV WINNEMUCCA	52	26	61	19	39	-4	0.07	-0.11	0.07	0.96	90	7.09	109	90	41	0	5	1	0		
NH CONCORD	53	32	64	25	42	-1	0.28	-0.53	0.16	10.48	167	37.81	126	95	40	0	5	2	0		
NJ ATLANTIC CITY	61	40	70	33	51	0	0.37	-0.37	0.36	10.29	172	42.84	128	96	49	0	0	2	0		
NM ALBUQUERQUE	54	35	63	30	45	-6	0.49	0.34	0.39	2.98	157	8.81	110	74	37	0	2	2	0		
NM CLOVIS	56	36	70	32	46	-7	-	-	-	-	-	-	-	96	46	0	1	-	-		
NM ROSWELL	62	37	73	30	50	-7	-	-	-	-	-	-	-	88	33	0	2	-	-		
NY ALBANY	55	36	68	28	45	0	0.11	-0.58	0.07	6.99	116	36.50	120	88	51	0	2	2	0		
NY BINGHAMTON	52	37	67	27	44	1	0.64	-0.06	0.36	8.21	128	37.35	120	77	46	0	2	3	0		
NY BUFFALO	52	37	63	30	45	-1	0.64	-0.14	0.48	11.73	172	41.16	131	82	54	0	2	3	0		
NY NEW YORK	60	48	69	38	54	1	0.24	-0.54	0.18	9.95	150	38.58	109	70	40	0	0	2	0		
NY ROCHESTER	54	37	70	30	46	0	0.39	-0.21	0.28	10.59	189	36.18	143	84	55	0	2	4	0		
NY SYRACUSE	55	39	72	31	47	1	0.34	-0.44	0.19	6.49	89	30.06	93	84	48	0	1	3	0		
NC ASHEVILLE	70	50	80	33	60	8	0.45	-0.57	0.36	6.30	69	39.17	82	93	46	0	0	3	0		
NC CHARLOTTE	77	56	84	38	66	9	0.51	-0.23	0.41	8.94	98	35.18	96	87	43	0	0	2	0		
NC GREENSBORO	72	51	83	36	62	8	0.69	-0.04	0.36	15.52	215	44.94	123	92	47	0	0	3	0		
NC HATTERAS	73	57	77	50	65	4	0.86	-0.29	0.66	9.45	89	-	-	89	55	0	0	1	1		
NC NEW BERN	78	57	88	45	68	8	0.33	-0.31	0.33	14.85	180	51.28	108	95	48	0	0	1	0		
NC RALEIGH	74	52	86	36	63	7	0.70	0.05	0.55	20.74	335	51.04	144	93	51	0	0	2	1		
NC WILMINGTON	79	57	87	44	68	8	0.33	-0.32	0.33	19.72	194	60.61	121	97	53	0	0	1	0		
ND BISMARCK	43	18	58	11	31	-7	0.00	-0.15	0.00	4.47	186	18.22	125	81	43	0	7	0	0		
ND FARGO	39	20	54	11	30	-8	0.02	-0.28	0.01	3.24	87	12.85	71	84	53	0	7	2	0		
ND GRAND FORKS	39	20	53	11	30	-7	0.02	-0.18	0.02	2.87	81	14.21	83	89	52	0	6	1	0		
ND WILLISTON	44	18	59	7	30	-7	0.00	-0.12	0.00	2.81	133	11.31	89	82	43	0	7	0	0		
OH AKRON-CANTON	55	37	68	27	46	-1	0.43	-0.15	0.27	9.14	157	35.39	114	84	52	0	3	2	0		
OH CINCINNATI	59	38	72	23	49	-1	0.04	-0.89	0.02	7.08	119	44.15	126	88	48	0	3	2	0		
OH CLEVELAND	55	38	69	29	47	-1	0.68	0.06	0.36	15.81	257	38.39	125	93	62	0	3	4	0		
OH COLUMBUS	58	40	72	31	49	2	0.06	-0.57	0.03	6.88	121	39.80	125	77	46	0	1	2	0		
OH DAYTON	58	39	72	27	48	0	0.13	-0.50	0.12	7.23	139	44.42	144	81	52	0	3	2	0		

Based on 1961-90 normals

Weather Data for the Week Ending November 2, 1996

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 Sep 1	PCT. NORMAL SINCE Sep 1	TOTAL IN. SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	92 AND BELOW	01 INCH OR MORE		06 INCH OR MORE	
																		01 INCH OR MORE	06 INCH OR MORE	01 INCH OR MORE	06 INCH OR MORE
OK TOLEDO	54	36	68	28	45	-1	0.68	0.15	0.68	4.10	80	24.19	88	85	50	0	4	1	1		
OK YOUNGSTOWN	53	36	67	28	46	-2	0.58	-0.05	0.36	9.89	158	36.78	113	88	50	0	4	3	0		
OK OKLAHOMA CITY	58	43	70	32	51	-5	1.43	0.83	0.79	8.41	117	34.53	114	95	56	0	1	4	2		
OK TULSA	59	46	74	32	52	-4	2.28	1.51	1.70	10.67	125	23.89	67	92	53	0	1	4	1		
OR ASTORIA	56	37	59	32	47	-3	0.98	-0.88	0.98	14.51	154	60.95	131	96	58	0	1	1	1		
OR BURNS	51	25	57	15	38	-2	0.33	0.10	0.18	1.59	117	9.79	128	96	48	0	5	2	0		
OR MEDFORD	57	34	63	30	46	-4	0.62	0.08	0.46	2.69	104	17.38	138	98	43	0	4	3	0		
OR PENDLETON	52	35	62	29	43	-3	0.35	0.07	0.17	1.78	113	10.61	118	93	52	0	3	3	0		
OR PORTLAND	57	38	61	36	48	-2	0.74	-0.16	0.74	8.35	174	40.43	160	90	48	0	0	1	1		
OR SALEM	56	34	62	30	45	-4	0.78	-0.28	0.78	6.64	132	41.90	157	98	80	0	2	1	1		
PA ALLENTOWN	58	40	69	33	49	0	0.14	-0.82	0.07	11.98	189	44.45	122	79	41	0	0	2	0		
PA ERIE	54	41	64	33	48	-1	0.36	-0.53	0.23	13.13	156	42.72	125	90	58	0	0	3	0		
PA HARRISBURG	61	48	75	39	54	5	0.11	-0.61	-	7.63	115	42.59	125	84	41	0	0	-	-		
PA PHILADELPHIA	61	46	71	36	54	4	0.85	-0.14	0.53	9.99	132	42.77	111	87	45	0	0	2	1		
PA PITTSBURGH	56	38	71	30	47	-1	0.33	-0.24	0.18	8.53	156	39.78	127	80	47	0	2	2	0		
PA SCRANTON	55	40	68	30	48	1	0.22	-0.45	0.22	7.94	126	38.80	125	79	44	0	1	1	0		
RI PROVIDENCE	56	37	63	29	47	-2	0.30	-0.63	0.21	11.92	180	39.91	107	75	37	0	2	2	0		
SC CHARLESTON	79	80	83	47	70	7	0.24	-0.33	0.23	9.65	126	36.65	79	97	57	0	0	2	0		
SC COLUMBIA	77	58	83	43	67	8	0.10	-0.56	0.04	4.95	72	29.55	68	92	49	0	0	3	0		
SC FLORENCE	77	57	82	43	67	7	-	-	-	-	-	-	-	100	53	0	0	-	-		
SC GREENVILLE	74	54	83	40	64	8	0.56	-0.31	0.26	5.92	72	43.49	99	91	48	0	0	4	0		
SD ABERDEEN	41	20	56	11	31	-9	1.71	1.47	1.71	8.87	261	22.86	115	83	50	0	7	1	1		
SD HURON	43	20	59	11	32	-10	1.28	1.02	1.28	5.05	156	18.03	95	83	46	0	7	1	1		
SD RAPID CITY	46	22	61	17	34	-8	0.00	-0.19	0.00	3.78	159	18.91	121	82	47	0	5	0	0		
SD SIOUX FALLS	43	20	61	12	32	-10	0.27	-0.04	0.27	4.44	92	16.48	74	84	48	0	7	1	0		
TN CHATTANOOGA	70	53	80	36	62	6	1.14	0.29	1.14	9.62	126	46.95	106	95	52	0	0	1	1		
TN KNOXVILLE	69	52	80	35	60	7	0.54	-0.18	0.53	4.98	81	38.64	99	83	52	0	0	2	1		
TN MEMPHIS	68	55	83	38	62	4	3.41	2.53	2.37	13.85	202	59.04	142	91	58	0	0	3	2		
TN NASHVILLE	65	53	78	32	59	4	2.09	1.37	0.92	8.81	140	39.39	101	93	57	0	1	4	2		
TX ABILENE	69	42	81	33	56	-5	1.83	1.38	1.64	8.57	148	25.37	115	95	53	0	0	3	1		
TX AMARILLO	58	36	68	32	47	-5	0.60	0.36	0.54	2.70	80	19.22	104	91	47	0	1	4	1		
TX AUSTIN	78	60	84	45	69	3	0.42	-0.26	0.36	3.87	63	22.01	79	83	56	0	0	3	0		
TX BEAUMONT	81	64	84	46	72	7	0.06	-0.92	0.06	15.16	140	41.18	88	99	61	0	0	1	0		
TX BROWNSVILLE	86	71	88	53	78	6	0.01	-0.39	0.01	20.07	225	27.29	114	97	56	0	0	1	0		
TX CORPUS CHRISTI	87	68	92	50	78	8	0.10	-0.36	0.09	4.10	48	17.00	62	92	51	4	0	2	0		
TX DEL RIO	77	57	83	48	67	2	0.60	0.09	0.52	2.98	51	10.06	45	93	58	0	0	3	1		
TX EL PASO	72	44	81	32	58	-1	0.00	-0.11	0.00	1.24	51	8.94	113	43	15	0	1	0	0		
TX FORT WORTH	71	51	81	39	61	1	2.62	1.90	1.84	6.29	70	25.33	77	89	59	0	0	4	1		
TX GALVESTON	79	69	83	55	74	5	0.00	-0.61	0.00	6.23	70	18.67	52	97	78	0	0	0	0		
TX HOUSTON	82	64	86	45	73	8	0.00	-1.07	0.00	9.47	90	31.23	70	93	54	0	0	0	0		
TX LUBBOCK	63	36	72	29	49	-7	0.07	-0.22	0.04	0.82	20	13.19	78	92	41	0	3	2	0		
TX MIDLAND	71	41	82	33	56	-4	0.09	-0.09	0.09	1.17	26	7.65	54	92	40	0	0	1	0		
TX SAN ANGELO	69	45	80	34	57	-4	2.21	1.83	1.90	4.35	74	19.05	102	95	58	0	0	3	1		
TX SAN ANTONIO	82	63	88	44	73	7	0.26	-0.42	0.26	4.01	59	12.80	47	89	52	0	0	1	0		
TX VICTORIA	84	65	89	47	75	7	0.03	-0.84	0.02	5.67	52	22.58	68	96	55	0	0	2	0		
TX WACO	77	53	85	38	65	2	0.57	-0.10	0.29	2.69	38	19.59	70	93	54	0	0	4	0		
TX WICHITA FALLS	64	45	77	35	55	-4	0.26	-0.27	0.18	6.14	90	19.07	73	94	58	0	0	4	0		
UT CEDAR CITY	47	28	55	24	38	-8	0.08	-0.15	0.08	1.17	58	9.57	97	93	51	0	7	2	0		
UT SALT LAKE CITY	52	34	57	28	43	-4	0.02	-0.29	0.02	2.47	87	13.87	101	84	40	0	4	1	0		
VT BURLINGTON	52	35	68	28	44	1	0.13	-0.58	0.09	6.38	100	35.20	120	82	45	0	2	2	0		
VA NORFOLK	71	54	84	43	62	6	0.90	0.24	0.82	7.79	108	48.08	119	89	53	0	0	2	1		
VA RICHMOND	69	49	82	34	59	5	0.41	-0.37	0.32	14.47	203	48.13	125	88	38	0	0	3	0		
VA ROANOKE	69	51	81	33	60	8	0.13	-0.70	0.07	8.31	110	44.37	126	86	43	0	0	2	0		
WA QUILLAYUTE	55	35	57	28	45	-2	1.88	-1.11	1.75	17.73	107	69.53	91	89	48	0	3	3	1		
WA SEATTLE-TACOMA	53	39	55	32	47	-2	0.93	-0.12	0.91	7.37	133	35.20	138	92	52	0	1	2	1		
WA SPOKANE	45	30	50	25	38	-4	0.72	0.37	0.45	4.02	217	16.94	140	97	55	0	4	2	0		
WA YAKIMA	52	29	58	22	41	-4	0.12	-0.04	0.11	0.87	95	6.40	115	83	44	0	6	2	0		
WV BECKLEY	80	42	73	26	51	3	0.15	-0.50	0.10	8.82	138	48.25	138	94	55	0	1	2	0		
WV CHARLESTON	63	45	76	31	54	3	0.47	-0.26	0.44	9.80	155	49.41	138	82	45	0	1	2	0		
WV HUNTINGTON	63	44	74	31	54	5	0.23	-0.52	0.22	6.13	96	43.31	119	84	48	0	1	2	0		
WV PARKERSBURG	61	41	74	29	51	2	0.14	-0.48	0.10	7.09	122	41.90	119	83	42	0	1	2	0		
WI GREEN BAY	48	27	62	22	37	-5	1.02	0.54	0.89	4.30	74	22.72	90	83	50	0	6	2	1		
WI LACROSSE	48	30	66	23	39	-5	1.34	0.92	-	4.82	76	24.07	87	85	44	0	4	-	-		
WI MADISON	47	30	63	22	39	-5	1.38	0.87	1.36	4.17	67	27.79	97	82	49	0	5	1	1		
WI MILWAUKEE	49	34	64	25	41	-3	1.40	0.85	1.40	4.75	80	20.49	72	77	43	0	4	1	1		
WI WAUSAU	44	27	62	18	36	-5	1.38	0.88	1.26	6.22	88	31.48	108	80	44	0	5	2	1		
WY CASPER	41	23	51	11	32	-8	0.19	-0.01	0.18	2.08	108	9.03	81	89	63	0	6	2	0		
WY CHEYENNE	46	24	60	19	35	-6	0.01	-0.13	0.01	2.82	140	15.26	113	91	47	0	7	1	0		
WY LANDER	41	21	53	10	31	-8	0.01	-0.21	0.01	1.28	56	7.88	65	93	57	0	7	1	0		
WY SHERIDAN	39	14	53	5	27	-13	0.15	-0.07	0.15	2.25	86	11.89	88	80	54	0	7	1	0		
PR SAN JUAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Based on 1961-90 normals

Note: These data are preliminary and subject to change. In the past, precipitation totals from a number of stations have been incomplete.

TEMPERATURE AND PRECIPITATION SUMMARY

October 1996

STATES AND STATIONS	TEMP. °F		PRECIP.		STATES AND STATIONS	TEMP. °F		PRECIP.		STATES AND STATIONS	TEMP. °F		PRECIP.	
	AVERAGE	DEPARTURE	TOTAL	DEPARTURE		AVERAGE	DEPARTURE	TOTAL	DEPARTURE		AVERAGE	DEPARTURE	TOTAL	DEPARTURE
AL BIRMINGHAM	82	0	3.58	0.77	LA BATON ROUGE	68	-1	10.18	6.70	OK YOUNGSTOWN	51	0	3.98	1.04
AL HUNTSVILLE	82	1	2.70	-0.55	LA LAKE CHARLES	89	0	9.57	5.62	OK OKLAHOMA CITY	61	-1	2.53	-0.70
AL MOBILE	67	-1	1.72	-1.22	LA NEW ORLEANS	71	1	2.59	-0.48	OK TULSA	61	-1	5.80	1.94
AL MONTGOMERY	64	0	0.80	-2.08	ME SHREVEPORT	66	1	1.86	-2.19	OR ASTORIA	62	-1	11.15	5.42
AK ANCHORAGE	26	-9	2.63	0.80	ME CARIBOU	42	-1	3.41	0.31	OR BURNS	44	-1	0.86	0.14
AK BARROW	6	-6	0.17	-0.28	ME PORTLAND	47	-2	14.76	10.86	OR MEDFORD	56	0	2.20	0.71
AK FAIRBANKS	13	-12	1.13	0.23	MD BALTIMORE	56	-1	4.32	1.34	OR PENDLETON	62	-1	1.22	0.36
AK JUNEAU	40	-2	6.20	-1.84	MA SALSBURY	58	0	4.85	1.23	OR PORTLAND	54	0	5.38	2.71
AK KODIAK	39	-2	4.78	-2.42	MA BOSTON	53	-2	10.88	7.36	OR SALEM	53	0	4.84	1.88
AK NOME	22	-6	1.68	0.33	MA WORCESTER	49	-1	5.91	1.59	PA ALLENTOWN	52	-1	6.23	3.29
AZ FLAGSTAFF	46	-2	0.93	-0.68	MI ALPENA	47	0	2.37	0.27	PA ERIE	53	0	3.28	-0.49
AZ PHOENIX	75	0	0.37	-0.28	MI DETROIT	52	1	1.59	-0.51	PA HARRISBURG	56	1	4.26	1.33
AZ PRESCOTT	55	-	0.20	-0.92	MI FLINT	50	0	2.79	0.61	PA PHILADELPHIA	56	2	4.30	1.11
AZ TUSCON	70	0	1.74	0.88	MI GRAND RAPIDS	50	1	2.78	-0.06	PA PITTSBURGH	52	0	2.98	0.80
AZ WINSLOW	54	-2	0.39	-0.52	MI HOUGHTON LAKE	47	0	2.84	0.68	PA SCRANTON	51	-1	4.40	1.81
AR FORT SMITH	82	0	3.83	0.15	MI LANSING	49	0	2.73	0.03	PA WILLIAMSPORT	51	-1	4.21	0.81
AR LITTLE ROCK	-	-	5.08	1.46	MI MARQUETTE	44	0	3.83	0.02	RI PROVIDENCE	52	-2	6.20	2.61
CA BAKERSFIELD	64	-3	1.48	1.19	MI MUSKEGON	49	-1	3.84	0.84	SC CHARLESTON	66	-1	0.78	-2.14
CA BISHOP	-	-	-	-	MI SAULT ST. MARIE	45	-1	4.96	1.72	SC COLUMBIA	63	-1	2.37	-0.67
CA EUREKA	55	0	3.50	0.83	MN ALEXANDRIA	46	-1	-	-	SC FLORENCE	63	-1	-	-
CA FRESNO	64	-1	2.27	1.74	MN DULUTH	44	0	3.09	0.60	SC GREENVILLE	60	0	0.82	-3.17
CA LOS ANGELES	84	-3	1.47	1.13	MN INT'L FALLS	42	0	3.17	1.20	SD ABERDEEN	45	-2	3.56	2.12
CA REDDING	82	-1	1.39	-0.85	MN MINNEAPOLIS	49	0	3.01	0.82	SD HURON	48	-1	3.38	1.89
CA SACRAMENTO	64	0	0.78	-0.32	MN ROCHESTER	48	0	2.86	0.53	SD RAPID CITY	48	-1	4.49	3.39
CA SAN DIEGO	64	-3	0.94	0.57	MN ST. CLOUD	46	0	2.93	0.72	SD SIOUX FALLS	48	-1	1.83	-0.15
CA SAN FRANCISCO	61	0	0.74	-0.48	MS GREENWOOD	66	2	-	-	TN BRISTOL	56	-2	0.96	-1.84
CA SANTA MARIA	60	-1	1.55	1.06	MS JACKSON	65	1	1.59	-1.73	TN CHATTANOOGA	60	0	1.37	-1.86
CO ALAMOSA	40	-4	0.86	0.16	MS MERIDIAN	64	0	2.14	-0.92	TN KNOXVILLE	59	1	1.04	-1.80
CO CO. SPRINGS	49	-1	0.89	0.06	MS TUPELO	62	0	2.46	-0.98	TN MEMPHIS	63	0	7.12	4.11
CO DENVER	51	0	0.39	-0.59	MO CAPE GIRARDEAU	59	0	2.58	-0.42	TN NASHVILLE	61	0	3.17	0.65
CO GRAND JUNCTION	52	-6	1.35	0.14	MO COLUMBIA	56	0	2.71	-0.81	TX ABILENE	65	-2	2.55	0.04
CO PUEBLO	51	-2	0.31	-0.26	MO KANSAS CITY	56	0	3.87	0.38	TX AMARILLO	58	-1	0.84	-0.53
CT BRIDGEPORT	54	-2	7.78	4.87	MO SAINT LOUIS	58	0	2.87	-0.01	TX AUSTIN	70	-1	0.78	-2.85
CT HARTFORD	51	-1	5.25	1.88	MO SPRINGFIELD	57	-1	5.08	1.41	TX BEAUMONT	70	1	4.43	0.14
DC WASHINGTON	59	-1	4.04	1.02	MT BILLINGS	46	-3	0.58	-0.58	TX BROWNSVILLE	78	0	11.49	8.89
FL PANAMA CITY	89	1	4.74	1.07	MT GLASGOW	44	-3	0.06	-0.55	TX CORPUS CHRISTI	78	2	0.86	-2.16
FL DAYTONA BEACH	73	-1	11.16	7.02	MT GREAT FALLS	44	-4	0.80	-0.18	TX DEL RIO	71	1	0.88	-2.09
FL FT. MYERS	79	2	4.49	1.56	MT HAVRE	43	-3	0.67	0.14	TX EL PASO	66	2	T	-0.78
FL JACKSONVILLE	70	-3	11.48	7.65	MT HELENA	44	-1	0.01	-0.59	TX FORT WORTH	67	2	6.58	2.55
FL KEY WEST	79	-1	11.87	7.46	MT KALISPELL	42	0	1.48	0.61	TX GALVESTON	73	1	3.28	0.44
FL MIAMI	78	0	10.10	4.48	MT MILES CITY	47	-2	1.04	0.14	TX HOUSTON	71	1	2.80	-1.90
FL ORLANDO	74	-1	3.28	0.86	MT MISSOULA	44	0	0.84	-0.10	TX LAREDO	-	-	-	-
FL TALLAHASSEE	67	-2	8.30	3.38	NE GRAND ISLAND	53	0	0.35	-1.00	TX LUBBOCK	61	-1	0.33	-1.53
FL TAMPA	76	1	3.12	1.10	NE LINCOLN	54	1	0.46	-1.67	TX MIDLAND	64	-1	0.20	-1.14
GA WEST PALM BEACH	78	0	6.77	-0.86	NE NORFOLK	51	0	0.26	-1.34	TX SAN ANGELO	65	-1	2.42	0.02
GA ATHENS	61	-1	0.80	-2.48	NE NORTH PLATTE	49	-1	0.33	-0.65	TX SAN ANTONIO	71	1	0.36	-2.81
GA ATLANTA	63	1	0.89	-2.18	NE OMAHA	54	1	1.84	-0.84	TX VICTORIA	73	1	0.45	-3.90
GA AUGUSTA	62	-2	1.90	-0.94	NE SCOTTSBLUFF	48	-2	0.42	-0.39	TX WACO	67	-1	0.99	-2.47
GA MACON	63	-2	2.47	0.29	NE VALENTINE	48	-4	1.28	0.08	TX WICHITA FALLS	84	-1	1.10	-2.04
GA SAVANNAH	66	-1	3.42	1.03	NV ELKO	43	-5	1.10	0.45	UT BLANDING	-	-	-	-
HI HILO	77	1	11.06	1.48	NV ELY	44	-2	0.85	-0.24	UT CEDAR CITY	50	-2	0.31	-0.84
HI HONOLULU	82	2	0.08	-2.20	NV LAS VEGAS	67	-1	0.11	-0.10	UT SALT LAKE CITY	54	1	1.45	0.01
HI KAHULUI	80	2	-	-	NV RENO	50	-1	0.28	-0.10	VT BURLINGTON	47	-1	3.64	0.76
HI LIHUE	-	-	-	-	NV WINNEMUCCA	48	-1	0.45	-0.17	VA LYNCHBURG	58	-1	3.10	-0.80
ID BOISE	53	1	0.64	-0.11	NH CONCORD	46	-1	8.08	4.85	VA NORFOLK	62	1	4.71	1.58
ID LEWISTON	52	-1	1.12	0.22	NJ ATLANTIC CITY	54	-1	5.04	2.22	VA RICHMOND	59	0	7.18	3.85
ID POCATELLO	46	-2	0.54	-0.37	NM ALBUQUERQUE	56	-1	1.52	0.63	VA ROANOKE	58	1	1.54	-2.31
IL CAIRO	-	-	-	-	NM CLOVIS	57	-1	-	-	WA COLVILLE	-	-	-	-
IL CHICAGO	52	-1	2.32	-0.09	NY ROSWELL	61	-1	-	-	WA QUILLAYUTE	50	-1	14.54	4.02
IL MOLINE	53	0	1.77	-1.16	NY ALBANY	49	-1	2.03	-0.80	WA SEATTLE-TACOMA	51	-1	5.54	2.31
IL PEORIA	54	0	2.51	-0.14	NY BINGHAMTON	48	-1	3.34	0.45	WA SPOKANE	48	-2	3.27	2.28
IL QUINCY	55	0	-	-	NY BUFFALO	52	0	4.22	1.13	WA WALLA WALLA	54	0	-	-
IL ROCKFORD	51	-1	3.56	0.68	NY NEW YORK	58	0	5.78	2.76	WV YAKIMA	47	-3	0.58	0.09
IL SPRINGFIELD	56	0	1.59	-1.01	NY ROCHESTER	51	0	5.41	2.97	WV BECKLEY	53	1	2.15	-0.74
IN EVANSVILLE	57	-2	2.54	-0.44	NY SYRACUSE	51	0	2.14	-1.10	WV CHARLESTON	56	0	2.49	-0.40
IN FORT WAYNE	53	0	2.01	-0.48	NC ASHEVILLE	56	0	0.89	-3.84	WV ELKINS	51	1	2.89	-0.09
IN INDIANAPOLIS	55	1	1.88	-0.75	NC CHARLOTTE	62	0	2.32	-1.04	WV HUNTINGTON	56	2	1.88	-1.06
IN SOUTH BEND	52	0	3.29	0.21	NC GREENSBORO	58	0	4.14	0.84	WV PARKERSBURG	55	0	1.39	-1.32
IA DES MOINES	53	1	2.99	0.18	NC HATTERAS	64	-1	4.79	-0.19	WI GREEN BAY	47	-1	2.93	0.70
IA DUBUQUE	50	-1	4.14	1.41	NC NEW BERN	65	2	3.61	0.59	WI LACROSSE	62	1	2.98	0.78
IA SIOUX CITY	51	-1	0.96	-1.08	NC RALEIGH	61	1	3.48	0.62	WI MADISON	49	-1	3.14	0.72
IA WATERLOO	51	1	3.50	0.93	NC WILMINGTON	65	1	6.08	2.75	WI MILWAUKEE	62	2	3.00	0.59
KS CONCORDIA	55	-1	0.48	-1.51	ND BISMARCK	44	-2	1.73	0.83	WI WAUSAU	47	0	3.74	1.10
KS DODGE CITY	56	-1	1.40	0.12	ND FARGO	46	0	2.78	1.10	WY CASPER	45	-2	1.80	0.83
KS GOODLAND	52	0	0.56	-0.34	ND GRAND FORKS	44	0	1.22	-0.07	WY CHEYENNE	46	-1	0.49	-0.25
KS TOPEKA	56	0	2.79	-0.27	ND WILLISTON	42	-3	0.82	0.06	WY LANDER	46	-1	1.28	0.15
KS WICHITA	58	-1	1.90	-0.99	OH AKRON-CANTON	52	0	3.81	1.26	WY SHERIDAN	46	-2	1.23	0.05
KY BOWLING GREEN	58	0	2.86	-0.36	OH CINCINNATI	55	0	1.74	-1.12	PR SAN JUAN	-	-	-	-
KY JACKSON	57	0	4.00	0.80	OH CLEVELAND	54	1	4.85	2.11					
KY LEXINGTON	56	0	2.10	-0.47	OH COLUMBUS	55	-3	1.44	-0.95					
KY LOUISVILLE	59	1	2.42	-0.29	OH DAYTON	54	0	1.38	-1.10					
KY PADUCAH	58	-1	4.13	1.13	OH MANSFIELD	52	0	1.96	-0.41					
					OH TOLEDO	53	2	1.78	-0.34					

Based on 1961-90 normals.

Crop Progress and Condition

Week Ending November 3, 1996

Winter Wheat Percent Planted				
	Nov 3 1996	Prev Week	Prev Year	5-Yr Avg
AR	48	41	70	62
CA	20	15	13	13
CO	100	99	100	100
GA	12	9	19	15
ID	98	95	95	97
IL	90	77	96	92
IN	88	78	97	94
KS	98	97	100	98
MI	99	93	99	97
MO	78	65	89	79
MT	100	99	99	97
NE	100	100	100	100
NC	48	30	38	42
OH	91	82	100	97
OK	98	94	96	95
OR	94	90	85	87
SD	100	100	100	100
TX	98	95	85	85
WA	99	98	96	95
ALL	93	90	93	91

These 19 States produced 92% of the 1995 winter wheat crop.

Winter Wheat Percent Emerged				
	Nov 3 1996	Prev Week	Prev Year	5-Yr Avg
AR	36	21	39	42
CA	10	5	4	3
CO	95	93	95	96
GA	7	6	9	10
ID	83	66	68	73
IL	71	48	77	79
IN	70	52	80	78
KS	95	80	89	87
MI	82	66	87	82
MO	57	42	60	58
MT	85	70	84	79
NE	100	97	100	100
NC	27	16	19	24
OH	69	53	88	79
OK	85	72	66	73
OR	74	64	60	60
SD	91	84	94	98
TX	92	87	66	69
WA	93	92	88	83
ALL	85	74	77	77

These 19 States produced 92% of the 1995 winter wheat crop.

Soybeans Percent Harvested				
	Nov 3 1996	Prev Week	Prev Year	5-Yr Avg
AL	56	49	54	50
AR	58	51	78	64
GA	37	25	19	29
IL	87	74	99	97
IN	80	67	99	95
IA	96	91	99	99
KS	82	73	94	89
KY	42	35	78	65
LA	91	86	92	78
MI	80	64	96	85
MN	99	99	93	97
MS	77	74	92	69
MO	70	60	88	82
NE	100	98	99	99
NC	21	13	15	20
OH	73	59	96	95
SC	19	10	9	16
SD	98	95	86	94
TN	33	23	61	51
ALL	81	73	91	88

These 19 States produced 94% of the 1995 soybean crop.

Corn Percent Harvested				
	Nov 3 1996	Prev Week	Prev Year	5-Yr Avg
CO	86	67	66	66
GA	98	96	99	99
IL	69	50	93	83
IN	47	32	92	72
IA	62	35	85	71
KS	93	81	94	90
KY	90	80	96	89
MI	34	21	72	48
MN	78	53	82	66
MO	79	70	76	79
NE	71	45	73	70
NC	96	92	97	96
OH	35	22	77	63
PA	41	35	77	51
SD	59	37	65	60
TX	98	97	98	99
WI	36	25	77	54
ALL	64	45	84	72

These 17 States produced 93% of the 1995 corn crop.

Cotton Percent Harvested				
	Nov 3 1996	Prev Week	Prev Year	5-Yr Avg
AL	74	68	85	72
AZ	53	44	55	71
AR	84	80	89	80
CA	60	50	41	68
GA	68	54	71	59
LA	97	94	99	91
MS	93	89	98	84
MO	70	69	87	84
NM	50	33	42	37
NC	68	50	54	56
OK	24	19	14	32
SC	69	65	52	55
TN	80	76	78	76
TX	41	28	48	47
ALL	82	53	64	63

These 14 States produced 99% of the 1995 cotton crop.

Sorghum Percent Harvested				
	Nov 3 1996	Prev Week	Prev Year	5-Yr Avg
AR	99	97	100	98
CO	67	56	78	59
IL	49	31	81	81
KS	77	58	91	78
LA	100	100	100	100
MS	100	100	100	99
MO	80	66	81	81
NE	59	28	98	82
NM	10	7	43	40
OK	34	29	43	46
SD	83	78	80	79
TX	83	75	93	90
ALL	74	59	89	81

These 12 States produced 99% of the 1995 sorghum crop.

Peanuts Percent Harvested				
	Nov 3 1996	Prev Week	Prev Year	5-Yr Avg
AL	91	82	94	95
FL	94	91	NA	NA
GA	93	89	97	97
NC	89	68	83	85
OK	83	62	77	70
SC	92	81	92	85
TX	65	51	52	52
VA	98	92	98	98
ALL	87	78	85	85

These 8 States produced 99% of the 1995 peanut crop.

National Agricultural Summary

October 28 - November 3, 1996

HIGHLIGHTS

Strong winds and rain on October 29-30 delayed harvest activity and damaged row crops in the western Corn Belt. Wind gusts over 60 mph caused stalk breakage, ear drop, and some lodging in corn fields, but producers reported that the damage was not as extensive as expected. High grain moisture levels in some late-maturing row-crop fields in the central Great

Plains slowed harvest activity. A widespread freeze at midweek in the Central States aided in the dry down of grain. Wet weather over the upper Delta slowed harvest activity but brought much-needed moisture to pastures and small grain fields. In Florida, warm, dry weather helped vegetables recover from previous wind and rain damage.

The **winter wheat** crop in the 19 major producing States was 93 percent (%) planted, up 3 percentage points from last week, and 2 points ahead of the 5-year average. Winter wheat emerged for the major producing States was 85% complete, up 11 points from last week and 8 points ahead of the average. Planting progress in Ohio, at 91% complete, was about 1 week behind normal. Numerous varieties of wheat diseases were visible across most of Kansas, with leaf rust most frequently found in early-planted fields. Wheat acreage seeded in Texas, at 98% complete, was 13 points ahead of the average, while winter wheat emerged was 23 points ahead. In the Texas High Plains, some fields showed damage from insects and rust.

Corn harvested at 64% complete was up 19 points from last week but 8 points behind normal. Corn harvested in Indiana and Ohio was over 20 points behind the average. In the Midwest, high average corn-moisture levels slowed the corn harvest. In the western Corn Belt, high winds toppled plants in fields damaged by corn borers. Many producers worked extra hours to minimize field losses but encountered long lines and delays at elevators.

Cotton acreage harvested was estimated at 62%, up 9 points from last week, but 1 point behind the average. Cotton growers in California were concerned that the recent rainfall could stain the lint and lower the quality. Some cotton producers in the Texas High Plains waited for a hard freeze to aid defoliation. The low temperatures slowed the opening of bolls.

Sorghum harvested at 74% complete, was up 15 points from the previous week but 7 points below the average. In Illinois, sorghum harvested at 49% complete was up 18 points from last week, but 32 points behind the average. Powerful winds flattened some sorghum fields in the central Great Plains, where high grain-moisture levels and wet fields slowed harvest activity. Cold, damp weather in the Texas High Plains slowed harvest activity in some late-planted sorghum fields.

Soybean acreage harvested, at 81%, was up 8 points from last week but 7 points less than the average. In Ohio and Kentucky, the soybean harvest was over 20 points behind normal. Gusty winds and widespread rainfall slowed the soybean harvest in the western Corn Belt. A hard freeze in the Corn Belt ended the growing season for soybeans and caused plants to shed leaves.

(Continued from page 7)

Winter Wheat Crop Condition
by Percent

	VP	P	F	G	EX
AR	0	4	30	62	4
CA	0	0	40	50	10
CO	1	3	17	50	29
GA	0	1	39	59	1
ID	0	1	5	67	27
IL	2	2	19	54	23
IN	0	3	27	56	14
KS	0	0	9	75	16
MI	1	3	35	48	13
MO	0	2	33	56	9
MT	0	4	51	40	5
NE	0	4	30	59	7
NC	0	0	8	80	12
OH	0	2	28	57	13
OK	0	1	18	73	8
OR	0	4	52	37	7
SD	2	1	24	55	18
TX	1	9	33	42	15
WA	0	5	32	63	0
ALL	0	3	22	62	13
Prev Wk	0	3	26	58	13
Prev Yr	1	8	35	51	5

VP - Very Poor

P - Poor

F - Fair

G - Good

EX - Excellent

* Revised

State Agricultural Summaries

These summaries, issued weekly through the summer growing season, 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 NASS State Statistical Offices in cooperation with the National Weather Service. The crop weather reports are also available on the Internet through the NASS Home Page on the World Wide Web at <http://www.usda.gov/nass/> or from JAWF at <http://www.usda.gov/oce/waob/jawf>.

ALABAMA: Days suitable for fieldwork 5.0. Topsoil 20% short, 72% adequate, 8% surplus. Wheat planted 30%, 32% 1995, 38% avg. Livestock 3% poor, 31% fair, 55% good, 11% excellent. Rains delayed harvest, especially in the north. Peanut harvest was winding down in the wiregrass region. Additional moisture needed for wheat seed germination, winter pastures.

ARIZONA: Cotton harvest active; most fields have been defoliated. Alfalfa condition 1% poor, 21% fair, 64% good, 14% excellent. Some field rejuvenation ongoing. Harvest activity 17% light, 24% moderate, 37% active, 22% finished or not active. Sheeping off increasing. Melon growers had another busy week in both central and western production areas. Cantaloupe, honeydews, and a selection of specialty melons were shipped from both areas. Broccoli, bok choy, mixed greens, green onions, kale, and radishes were also being harvested from the -central area along with the first cabbage. Iceberg lettuce shipments were increasing from the western area. A steady volume of iceberg lettuce continued to be cut in eastern fields. Apple harvesting continued steady in eastern orchards. Lemons and grapefruit were picked and shipped from both western and -central production areas. Grazing conditions on range, pasture land were virtually unchanged from last month's report as cooler, drier weather prevailed for most of October. Just over two-thirds of the reports showed pastures to be in fair or better condition. Only a third of the reports, primarily in the low- to mid-elevation pastures showed poor to very poor grazing conditions. Cattle and calves continued to be rated in mostly fair condition. Stock water supplies were short to adequate, but soil moisture supplies were mostly short with dry, cool winds and little precipitation. Insect damage was very light.

ARKANSAS: Days suitable for fieldwork 3. Soil moisture 4% short, 50% adequate, 46% surplus. Main farming activities: Ginning cotton, seeding cool season forage, planting wheat, oats, winter annuals, harvesting cotton, rice, sorghum, soybeans. Excessive rainfall delayed fieldwork. Soybean harvest continued in many counties. Cotton harvest, ginning progressed in several counties. Wheat, oats plantings proceeded in many counties. Rice harvest was completed. Sorghum harvest near completion. Seeding cool season pastures was reported by many counties. Producers continued to apply fertilizer and lime to pastures in numerous counties. Livestock continued to be in good condition. Weaning, vaccinating, and selling cattle continued.

CALIFORNIA: Field activities were slowed by last week's rainfall. Some cotton growers were concerned about crop quality and value, since the rainfall could potentially stain the lint. Some late maturing fields were not yet defoliated. Many growers were shredding and discing their fields immediately following harvest to meet cotton plow-down regulations. The rice harvest was nearing completion, and field stubble was burned when conditions permitted. Fields were being sampled for rice blast disease. Low rice yields were attributed to disease and high summer temperatures. Growers delayed planting sugar beets. Where weather and field conditions permitted, small grain and winter forage growers prepared ground for planting. Early planted barley and sugar beet fields were up and making good progress in some areas of the State. Growers harvested corn for silage and grain. Alfalfa fields were cut for hay or green chopped, as farmers neared season's last cuttings in several areas. Alfalfa hay and black-eyed bean fields that were windrowed may have been damaged by moisture. Sorghum fields were in various stages of maturity, ranging in color from yellowish-green to brown. Table grape harvest was near completion in Fresno County. Wine grape harvest was winding down. Rain slowed the harvest of late-season walnut varieties and kiwifruit. Pistachio harvest neared completion. Stone fruit and almond orchards were pruned. Fuji, Granny Smith, and Gala variety apple harvests continued in the San Joaquin Valley. Olive, fig,

plum, and persimmon harvests continued in the San Joaquin and Sacramento Valleys. Pomegranate harvest continued; however, the recent rains may cause some fruit to crack. Harvest of lemons, mandarin, grapefruit, Valencia oranges continued. Navel orange harvest continued, slowed by rain. Last week's rainfall also caused delays in lettuce harvesting. Carrots were harvested in Fresno County. Broccoli and cauliflower were harvested in the Salinas-Watsonville area and San Joaquin Valley. Sweet corn was harvested in the San Joaquin Valley, while frost halted harvesting in the Gilroy-Hollister area. Potatoes were harvested in the Tulelake-Butte Valley area. Green beans were harvested in Tulare County. Harvesting of brussels sprouts progressed in Monterey County. Onion harvest continued in the Antelope Valley, Monterey Counties. Harvest of fresh market tomatoes, squash, cucumbers progressed in the San Joaquin Valley. Digging, packing of sweetpotatoes, yams was reported. Cantaloupe and honeydew melons were harvested in the Imperial and Coachella Valleys. Pumpkin harvest was near completion in the San Joaquin, Sacramento valleys. Recent rainfall was welcomed by ranchers, as it should start the growth of rangeland grasses. Pastures in the extreme northern areas were already showing growth from October's rains. Supplemental feeding continued. Fall calving was ongoing. Sheep were grazing in alfalfa fields.

COLORADO: Days suitable for fieldwork 5.2. Topsoil 6% very short, 22% short, 71% adequate, 1% surplus. Subsoil 9% very short, 24% short, 66% adequate, 1% surplus. Sorghum 99% mature, 93% 1995, 91% avg. Sugar beets 95% harvested, 82% 1995, 86% avg. Alfalfa hay 80% 4th cutting, 40% 1995, 58% avg.

DELAWARE: Days suitable for fieldwork 5.3. Topsoil 5% short, 86% adequate, 9% surplus. Subsoil 1% short, 98% adequate, 1% surplus. Corn 85% harvested for grain, 97% 1995, 93% avg. Soybeans 35% harvested, 51% 1995, 47% avg. Sorghum 56% harvested, 83% 1995, 53% avg. Other hay 75% 4th cutting, 71% avg. Barley 3% fair, 95% good, 2% excellent; 86% planted, 88% 1995, 83% avg. Winter wheat 3% fair, 96% good, 1% excellent; 60% planted, 56% 1995, 59% avg. Hay supplies 1% very short, 35% short, 63% adequate, 1% surplus. Activities: Harvesting field crops and hay, and planting small grain crops.

FLORIDA: Topsoil moisture was short to adequate throughout the State. Peanut harvest 94% complete. Cotton harvest active. Haying winding down. Soybean harvest active. Sugarcane mills starting to open for harvest season. Sugarcane planting active. Warm, dry weather continued to aid recovery of vegetables from recent wind and rain damage. Strawberry harvesting started around Plant City. Tomato picking began in Immokalee area. Picking of other crops continues with sweet corn, peppers, snap beans, squash, eggplant, radishes, cucumbers, cabbage, lettuce, endive, escarole, okra, watermelons, and cantaloupes also available. Dry all citrus areas, lots of irrigation. New growth slowing. Early harvest increasing, 10-12 processing plants open this week. Caretakers cutting cover crops, spraying, fertilizing. Pasture feed poor 10%, fair 45%, good 45%. Pasture conditions decreased in most of State due to dry weather. Condition decreased in the north due to seasonally cooler temperatures. Pastures in the southwest improved as they dried off. Small grains for forage were being planted in the northern and central areas. The condition of cattle herds was poor 5%, fair 25%, and good 70%.

GEORGIA: Days suitable for fieldwork 6.3. Soil moisture 10% very short, 42% short, 48% adequate. Cotton 5% poor, 24% fair, 51% good, 20% excellent; 96% bolls open, 97% 1995, 96% avg. Peanuts 3% very poor, 14% poor, 42% fair, 34% good, 7% excellent; 98%

dug, 100% 1995, 100% avg. Rye 72% planted, 85% 1995, 71% avg. Sorghum 2% very poor, 7% poor, 33% fair, 55% good, 3% excellent; 76% harvested for grain, 84% 1995, 85% avg. Soybeans 1% very poor, 6% poor, 36% fair, 48% good, 9% excellent; 98% dropping leaves, 97% 1995, 99% avg. Wheat 12% planted, 19% 1995, 15% avg. Other small grains 53% planted, 67% 1995, 52% avg. Onions 1% transplanted, 7% 1995, 6% avg. Apples 7% fair, 93% good; 99% harvested, 96% 1995, 93% avg. Pecans 2% very poor, 13% poor, 38% fair, 36% good, 11% excellent; 28% harvested, 27% 1995, 25% avg. Pasture feed 1% very poor, 13% poor, 41% fair, 43% good, 2% excellent. Dry conditions good for harvest but not good for small grains. Crop harvest progress substantial this week. Major concern is shortage of pasture for grazing. Crop conditions were variable compared with last week's. Activities: Overseeding pastures, mowing cotton stalks, taking soil samples, cleaning machinery, preparing land for small grain planting.

HAWAII: Agricultural progress varied depending on location. Mandatory irrigation water restrictions continued some areas of Maui and Hawaii island. Vegetables, sugarcane, pasture most affected by the prolonged dry spell. Lack of sufficient irrigation water resulting in delayed planting, progress of existing sugarcane. Effects will be felt on net year's crop.

IDAHO: Days suitable for fieldwork 5.6. Topsoil 19% short, 76% adequate, 5% surplus. Sugar beets harvested 84%, 86% 1995, 85% avg. Alfalfa hay harvested (4th cutting) 97%. Corn harvested for grain 47%, 46% 1995, 54% avg. Apples harvested 92%, 92% 1995. Activities: Gathering livestock, assessing vole damage to sugar beets and potatoes, worrying about net necrosis in potatoes, seeding winter wheat, and harvesting sugar beets and corn for grain.

ILLINOIS: Days suitable for fieldwork 5.2. Topsoil 1% very short, 17% short, 71% adequate, 11% surplus. Corn and soybean harvests were almost completed in the central districts. Rain slowed the harvest in the rest of the State. Early crop soybean harvest has mostly been completed, farmers are waiting on late crop soybeans. High winds on 29th and 30th caused some lodging of corn. Corn harvesting in the northern districts was still lagging due to high moisture content in the grain.

INDIANA: Days suitable for fieldwork 5.0. Topsoil 5% short, 87% adequate, 8% surplus. Subsoil 1% very short, 15% short, 79% adequate, 5% surplus. Average moisture content of harvested corn 24%, soybeans 13%. Percentage of corn harvested by region: 49% north, 42% central, and 55% south. Corn harvesting was 14 days behind average, and soybean harvesting was 15 days behind average. Percentage of soybeans harvested by region: 89% north, 77% central, and 72% south. Harvesting of apples continued in some orchards. Farmers in southern counties continued too strip tobacco. Activities: Seeding winter wheat, spreading fertilizer, lime, fall tillage, tiling, equipment maintenance, chopping stalks, care of livestock.

IOWA: Days suitable for fieldwork 5.1. Topsoil short 5%, adequate 84%, surplus 11%. Subsoil very short 1%, short 21%, adequate 72%, surplus 6%. Strong winds, areas of rain prevailed throughout the week. Many reporters noted the winds caused some lodging, ear dropping in the corn but were surprised that more damage was not done. Good progress was made on the fall harvest despite the weather. Grain movement 7% none, 43% light, 38% moderate, 12% heavy. Grain storage availability off-farm 10% short, 81% adequate, 9% surplus; on-farm 6% short, 82% adequate, 12% surplus. Completion of 1997 row crop fall tillage 18%, 25% 1995, 24% avg.; fall fertilizer applied 16%, 22% 1995, 19% avg. Winter wheat planted 96%, 97% 1995, 97% avg. Livestock good.

KANSAS: Days suitable for fieldwork 4.5. Topsoil 13% short, 71% adequate, 16% surplus. Subsoil 11% short, 80% adequate, 9% surplus. The widespread freeze should stop the growth of fall crops and aid in the dry down of grain. Snow on the 22nd caused some sorghum lodging in the northeastern counties. High winds last week laid over some sorghum, corn across the State, particularly in the northwest. Because of excellent fall crops, elevators are full in some

locations. Seeding of wheat is on par with the average, harvest of sorghum, soybeans is slightly behind average progress. Wheat diseases such as stem rust, wheat streak mosaic, septoria have been found over much of the State. Leaf rust is common too early-planted fields. Pastures are in good condition for this time of year, supplemental feeding is necessary in most cases. Stockmen continued to move cattle to crop stubble. Activities: Seeding wheat, fall harvest, fall tillage.

KENTUCKY: Days suitable for fieldwork 3.6. Topsoil 4% short, 76% adequate, 20% surplus. Subsoil 7% short, 80% adequate, 13% surplus. Muddy fields delayed fieldwork. Western area needs one dry week to finish corn advance and soybean harvest. Burley tobacco 25% stripped, 35% 1995, 27% avg. Quality of stripped tobacco 1% very poor, 2% poor, 22% fair, 59% good, 16% excellent. Housed tobacco mostly curing well, few reports of houseburn. Stripped tobacco mostly good quality. Some concerned blue mold has affected weight. Winter wheat seeding progressed to 83% complete. Pasture feed 1% very poor, 8% poor, 30% fair, 52% good, 9% excellent. Livestock in good condition, hay supply mostly adequate going into winter.

LOUISIANA: Days suitable for fieldwork 3.7. Soil moisture 5% short, 58% adequate, 37% surplus. Cotton harvest was coming to a close. Stalk shredding was active. Pecans 1% very poor, 11% poor, 49% fair, 37% good, 2% excellent; 29% harvested, 9% 1995, 24% avg. Soybean heavy rains halted harvest of late soybeans. Sugarcane 1% very poor, 7% poor, 32% fair, 46% good, 14% excellent; 98% planted, 100% 1995, 99% avg.; 27% harvested, 32% 1995, 32% avg. Planting of cane was nearly complete. Harvest was well under way, good progress was made until rain slowed operations. Lodging was more of a problem with wet fields. Sweetpotatoes 89% harvested, 84% 1995, 84% avg. Wheat 33% planted, 46% 1995, 34% avg.; 20% emerged, 17% 1995, 19% avg. Wheat planting made good progress early in the week, excessive rain late in week halted progress. Livestock 5% poor, 29% fair, 60% good, 6% excellent. Heavy calves and cull cows were marketed in some parishes. Vegetables 12% poor, 49% fair, 38% good, 1% excellent. Pasture feed 1% very poor, 5% poor, 39% fair, 52% good, 3% excellent. Ryegrass pastures were off to a good start. Fertilization of winter pastures were active.

MARYLAND: Days suitable for fieldwork 5.6. Topsoil 92% adequate, 8% surplus. Subsoil 87% adequate, 13% surplus. Corn 84% harvested for grain, 93% 1995, 82% avg. Soybeans 50% harvested, 58% 1995, 54% avg. Sorghum 49% harvested, 72% 1995, 65% avg. Apples 94% harvested, 91% 1995, 94% avg. Alfalfa hay 67% 5th cutting, 45% 1995, 60% avg. Other hay 88% 4th cutting, 87% 1995, 73% avg. Hay supplies 6% very short, 8% short, 78% adequate, 8% surplus. Barley 8% fair, 89% good, 3% excellent; 89% planted, 90% 1995, 92% avg. Rye 7% fair, 88% good, 5% excellent; 67% planted, 75% 1995, 76% avg. Winter wheat 25% fair, 73% good, 2% excellent; 66% planted, 73% 1995, 71% avg. Tobacco stripped 13%, 16% 1995, 13% avg. Activities: Small grain plantings and harvesting field crops and apples.

MICHIGAN: Some corn borer injured corn was further damaged by too high winds beginning of week. Farmers continued to wait for corn to dry down. Some report that the ground in some areas was starting to freeze. Topsoil 1% very short, 5% short, 74% adequate, 20% surplus. Subsoil 3% very short, 16% short, 73% adequate, 8% surplus. All hay 4th cutting 93%, 92% 1995, 80% avg.; 4% very poor, 24% poor, 29% fair, 36% good, 7% excellent. Sugar beets harvested 82%, 72% 1995, 90% avg. Potatoes harvested 99%, 100% 1995, 99% avg.

MINNESOTA: Days suitable for fieldwork 4.0. Topsoil 5% short, 73% adequate, 22% surplus. Subsoil 3% very short, 22% short, 64% adequate, 11% surplus. Corn 78% harvested, 82% 1995, 66% avg.; 40% stubble worked, 39% 1995, 38% avg.; 21% moisture content, 18% 1995, 22% avg. Soybeans 99% harvested, 93% 1995, 97% avg.; 82% stubble worked, 45% 1995, 61% avg. Sunflowers 95% harvested, 88% 1995, 88% avg.

MISSISSIPPI: Days suitable for fieldwork 3.8. Soil moisture 1% very short, 10% short, 50% adequate, 39% surplus. Soybeans 100% shedding leaves, 100% 1995, 98% avg.; 77% harvested, 92% 1995, 69% avg.; 1% very poor, 13% poor, 22% fair, 54% good, 10% excellent. Wheat 79% planted, 69% 1995, 59% avg.; 54% emerged, 49% 1995, 43% avg.; 1% poor, 17% fair, 74% good, 8% excellent. Pecans 27% harvested, 26% 1995, 29% avg.; 8% very poor, 18% poor, 27% fair, 43% good, 4% excellent. Sweetpotatoes 86% harvested, 96% 1995, 92% avg.; 5% very poor, 3% poor, 17% fair, 70% good, 5% excellent. Cattle 1% very poor, 4% poor, 28% fair, 60% good, 7% excellent. Main farming activities: Harvesting cotton and soybeans. Wet conditions throughout the State slowed harvesting, benefited winter pastures. Cattlemen in the northern part of the State began feeding hay this week.

MISSOURI: Days suitable for fieldwork 3.8. Topsoil 4% short, 75% adequate, 21% surplus. Farmers were making significant progress with harvest, heavy rains of a week ago, along with poor drying weather caused some delays, particularly in the southeast. Corn harvest progress ranged from virtually complete across southern districts to 67% or less in the northwestern and northeastern districts. Soybeans mature 97%, 99% 1995, and 99% avg.; harvest progress ranged from 43% in the southeastern district to 92% in the southwest, and other main bean districts 70% to 80%. Sorghum harvest ranged from about 50% in the north-central and central districts to 96% in the southeastern and southwestern districts. Wet conditions were slowing completion of winter wheat seeding. Percent of ground worked at least once for next year's spring crops 24%, 22% 1995, 23% avg. Pasture, range feed 1% very poor, 10% poor, 34% fair, 46% good, 9% excellent.

MONTANA: Days suitable for fieldwork 3.7. Topsoil 12% very short, 30% short, 51% adequate, 7% surplus. Subsoil 18% very short, 41% short, 41% adequate. Producers finishing harvesting the last few remaining acres of row crops. Corn for silage 100% harvested, 100% 1995, 100% avg. Sugar beets 99% harvested, 100% 1995, 95% avg. Potatoes 97% harvested, 97% 1995, 98% avg. Cattle, calves moved from summer ranges, 82%. Sheep, lambs moved from summer ranges, 82%.

NEBRASKA: Days suitable for fieldwork 5.7. Topsoil 1% very short, 23% short, 73% adequate, 3% surplus. Subsoil 1% very short, 13% short, 84% adequate, 2% surplus. Corn, sorghum harvest made good progress last week with corn nearly three-fourths combined. A killing frost ended the growing season in remaining portions of the east and south. High winds on October 26th, 29th caused stalk breakage, ear droppage. Producers working long hours to reduce field loss as much as possible. Corn was 71% harvested, 73% 1995, and 70% avg. Reports in the central and east-central parts of the State indicated that some producers encountered long lines at elevators, slowing harvest. Harvest activities were most advanced in the south-central counties, with over 80% combined. High winds on October 26th and 29th caused varying degrees of damage. Some varieties held up well, while others took a big hit. Sorghum was 59% harvested, 98% 1995, and 82% avg. Harvest in south-central counties were also most advanced with 70% cut. Wheat was 4% poor, 30% fair, 59% good, and 7% excellent. Cattle continued to be move to stalks for gleaning. Activities; Harvesting sunflowers in the west, after-harvest tillage, and working cattle.

NEVADA: Fall grain seeding virtually complete; emergence slowed by cold weather. Harvest of corn for grain ending. Cold weather has pushed alfalfa into dormancy. Grazing of alfalfa fields commencing. Sudan grass was still actively growing in the extreme south, as grazing and haying continues. Potato harvest nearly complete. Onion harvest virtually complete. Pomegranate and pistachio nut harvests continued in the extreme south. Livestock are mostly on fall pastures. Pregnancy testing cows, weaning calves. Pasture and range feed prospects improved by precipitation. Main farm, ranch activities: Finishing harvests and working livestock.

NEW ENGLAND: Days suitable for fieldwork 5.7. Topsoil 6% short, 69% adequate, 25% surplus. Subsoil 6% short, 75% adequate, 19% surplus. Pasture feed 16% very poor, 12% poor, 40% fair, 29% good, 3% excellent. Rhode Island potatoes 99% harvested, 100% 1995, 100% avg.; condition good/excellent. Silage corn 99% harvested, 100% harvested 1995, 100% avg.; condition good. Second hay 99% harvested, 100% 1995, 100% avg.; condition good/excellent. Third cut hay 90% harvested, 100% 1995, 100% avg.; condition good/fair. Apples 99% harvested, 100% 1995, 100% avg.; size average, condition good. Pears 100% harvested, 100% harvested 1995; size average, condition good. Cranberries 99% harvested, 100% 1995; size average/above average, condition good/excellent. Major farm activities: Farmers completed harvesting pears, actively harvesting the last of the corn silage, apple, cranberry crops. Potato growers in Rhode Island were waiting for fields to dry out before finishing harvesting. Preparing fields for winter by harrowing and spreading manure on well drained soils.

NEW JERSEY: Days suitable for fieldwork 5. Harvesting of sweetpotato, peppers, cabbage, lettuce, field corn, soybeans reported. Some planting of cover crop such as rye or wheat reported. Pasture feed, range rated as good.

NEW MEXICO: Days suitable for fieldwork 5.6. Soil 3% very short, 26% short, 66% adequate, 5% surplus. Winter wheat 1% very poor, 1% poor, 24% fair, 72% good, 2% excellent with 15% of the crop being grazed. Corn 5% poor, 26% fair, 60% good, 9% excellent; harvest completion for grain is 86%. Cotton condition 1% very poor, 4% poor, 24% fair, 51% good, 20% excellent; cotton harvested 50%, 42% 1995, 37% avg. Sorghum 4% very poor, 49% poor, 27% fair, 19% good, 1% excellent; coloring 100%, 100% 1995, 100% avg.; mature 75%, 68% 1995, 89% avg.; harvested 10%. Chile 1% poor, 14% fair, 75% good, 10% excellent; red chile harvest 44% complete. Lettuce 5% poor, 5% fair, 40% good, 50% excellent; harvest 90% complete. Onion 1% fair, 60% good, 39% excellent. Planting is 79% complete. Pecan 1% poor, 20% fair, 63% good, 16% excellent. Cattle 1% very poor, 2% poor, 28% fair, 61% good, 8% excellent; sheep 3% very poor, 5% poor, 31% fair, 58% good, and 3% excellent. Range, pasture feed 5% very poor, 9% poor, 37% fair, 39% good, 10% excellent.

NEW YORK: Week began warm, then turned cold. Rainfall was widespread at midweek which slowed field activities. Grain corn harvest continued at a slower than normal pace. Silage corn harvest neared completion. Onion digging and cabbage harvest was still active. Apples being graded and packed. Cider making in full swing. Potato growers moving crop into storage, grading, packing.

NORTH CAROLINA: Clear warm weather continued during the week and allowed farmers to spend more time in the fields. Peanut, cotton, sorghum, sweetpotato harvests have all seen significant gains this week. Small grain seedings are all ahead of schedule due to the clear weather. Soil moisture 6% short, 85% adequate, 9% surplus. Days were suitable for fieldwork 6.4. Sorghum harvested 82%, 64% 1995, 77% avg.; sweetpotatoes harvested 84%, 79% 1995, 82% avg.; soybeans dropping leaves 95%, 94% 1995, 92% avg.; oats planted 62%, 49% 1995, 60% avg.; barley planted 76%, 69% 1995, 68% avg.; rye planted 62%, 61% 1995, 61% avg.; Activities for the week: Seeding small grains; defoliating, harvesting cotton; harvesting corn, soybeans, peanuts, sorghum, and sweetpotatoes; cutting and baling hay; maintaining pastures; tending livestock; repairing equipment; general farm maintenance.

NORTH DAKOTA: Days suitable for fieldwork 4. Corn for grain harvest moved ahead of 1995 and average, while sunflowers continued ahead of both. Topsoil 1% very short, 14% short, 82% adequate, 3% surplus. Subsoil 4% very short, 21% short, 72% adequate, 3% surplus. Late season crop development: corn for grain 86% harvested; 79% 1995; 77% avg.; sunflowers 91% harvested; 86% 1995, 80% avg.

OHIO: Days suitable for fieldwork 4.4. Topsoil 5% short, 81% adequate, 14% surplus. Field activities limited by rain, wet fields again, not as much as previous week. Progress on soybean harvest was steady while corn harvest accelerated. Progress on winter wheat seedings remains almost 1 week behind normal. Apple harvest is 98% complete. Potatoes dug progressed to 96% complete. Corn for silage is 98% complete. Pasture growth is slow, some going dormant; mostly fair to good. Livestock are being moved off pastures, onto corn stocks; condition 1% very poor, 3% poor, 25% fair, 57% good, 14% excellent.

OKLAHOMA: Days suitable for fieldwork 3.9. Topsoil 3% short, 89% adequate, 8% surplus. Subsoil 5% short, 92% adequate, 3% surplus. Wheat 7% grazed, 1% 1995, 4% avg.; oats 71% planted, 64% 1995, 70% avg.; 35% up-to-stand, 39% 1995, 51% avg.; soybeans 93% mature, 79% 1995, 86% avg.; 62% harvested, 57% 1995, 55% avg. Peanuts 98% mature, 91% 1995, 94% avg.; 73% combined, 62% 1995, NA avg. Alfalfa 2% very poor, 2% poor, 21% fair, 67% good, 8% excellent. Alfalfa hay 73% 5th cutting, 66% 1995, 74% avg.; 19% 6th cutting, 7% 1995, 9% avg. Livestock 1% poor, 14% fair, 78% good, 7% excellent. Feeder steers, heifers were steady to firm.

OREGON: Activities: Sugar beet harvest winding down Klamath Basin and Malheur County. Fall nursery planting, digging, container movement continued. Live Christmas trees balling underway. Christmas tree sales strong. Potato, onion harvest nearly completed, east. Willamette Valley: Broccoli, cauliflower, pumpkin harvest continued, some onions still in field, sweet corn, fresh market vegetables mostly completed, hazelnuts harvest slowed by wet conditions, walnut harvest started, vineyard harvest, crush progressed. Pear, apple harvest winding down, Hood, Willamette, Rogue river valleys. Cranberry harvest winding down, southern coast. Cattle, sheep continued good/excellent. Pregnancy checking, vaccinating, weaning underway, market cattle being shipped. Fall calving underway. East still plenty dry feed, most green grass killed by heavy frosts. Western pastures greening, very wet conditions.

PENNSYLVANIA: Days suitable for fieldwork 4.7. Soil moisture 66% adequate, 34% surplus. Fair week for fieldwork. Wet conditions continued to hamper harvest, week was fairly windy, the winds helped dry the corn. Winds put some corn down. Many positive comments about corn yield. Ensilage corn harvest 95% complete, 99% 1995, 96% avg. Soybean harvest 34% complete, 61% 1995, 57% avg.; 2% poor, 13% fair, 58% good, 27% excellent. Potato harvest 90% complete, 92% 1995, 96% avg. Fall plowing 78% complete, 72% 1995, 84% avg. Wheat planted 87% complete, 83% 1995, 93% avg.; emerged 65% complete. Barley planted 98% complete, 91% 1995, 97% avg.; emerged 87% complete. Alfalfa 4th cutting 82% complete, 75% 1995, 82% avg. Quality of hay made 5% very poor, 15% poor, 38% fair, 40% good, 2% excellent. Apple harvest 91% complete, 96% 1995, 93% avg. Activities: Making hay and haylage; harvesting corn, corn silage, soybeans and potatoes; seeding barley and wheat; fixing fences; hauling manure; caring for livestock; and cleaning and storing equipment.

SOUTH CAROLINA: Soil moisture 9% very short, 25% short, 63% adequate, 3% surplus. Days suitable for fieldwork 6.2. Corn 100% harvested, 100% 1995, 100% avg.; 1% very poor, 11% poor, 23% fair, 57% good, 8% excellent. Sorghum 92% harvested, 76% 1995, 73% avg.; 23% fair, 43% good, 34% excellent. Sweetpotatoes 64% harvested, 57% 1995, 68% avg.; 10% poor, 40% fair, 40% good, 10% excellent. Tobacco 99% stalks destroyed, 100% 1995, 98% avg. Apples 98% harvested, 91% 1995, 95% avg.; 40% very poor, 35% poor, 20% fair, 5% good. Small grains, winter grazing planting ahead of normal; fair to good condition. Pastures and livestock were in fair to mostly good condition.

SOUTH DAKOTA: Days suitable for fieldwork 3.5. Topsoil 74% adequate, 26% surplus. Subsoil 5% short, 75% adequate, 20% surplus. Soybean harvest nearly complete, slowed by rain this week. Corn harvesting halted, or hampered some by rain, high moisture content in some areas. Corn 2% poor, 13% fair, 57% good, 28%

excellent. Sorghum silage harvested 100%, 100% 1995, 98% avg. Sorghum for grain 83% harvested, 80% 1995, 79% avg. Sunflowers 90% harvested, 81% 1995, 85% avg. Winter wheat 91% emerged, 94% 1995, 98% avg. Winter rye 11% fair, 66% good, 23% excellent. Livestock 1% poor, 9% fair, 74% good, 16% excellent. Stock water supplies 1% short, 89% adequate, 10% surplus.

TENNESSEE: Days suitable for fieldwork 3.0. Topsoil 2% short, 64% adequate, 34% surplus. Subsoil 1% short, 71% adequate, 28% surplus. Tobacco 44% burley stripped, 51% 1995, 47% avg. Sorghum 93% harvested, 100% 1995, 96% avg. Wheat 64% seeded, 70% 1995, 64% avg. Pasture feed 2% poor, 23% fair, 62% good, 13% excellent. Cattle 2% poor, 23% fair, 58% good, 17% excellent.

TEXAS: Warm temperatures, dry conditions gave way much cooler weather along with scattered rain by end week. Heavy rainfall over parts Hill Country caused flooding conditions, some livestock were lost to rapidly rising waters. Harvest progressed through midweek in Plains. Small grain seeding slowed by late week, however added moisture will improve growth. Many landowners busy preparing for start of deer season. Pastures, ranges benefited from recent rains. Supplemental feeding increased late week with cooler temperatures. Small Grains: Some fields in Plains showing damage from insects, rust, however overall conditions remained good. Irrigation activity continued. More cattle moved onto wheat, oats for grazing. Seeding operations slowed at late week many areas. Armyworm activity slowed with cooler temperatures. Scattered rainfall also benefit fields all areas.

Crops: Corn harvest completed most fields by time cold front moved through. Grain sorghum harvest in Plains delayed by colder, damp conditions by midweek. The later fields need milder temperatures to fully mature. Remaining harvest in the north-central areas also slowly progressed. Cotton some producers in Plains waiting for hard freeze while other applying harvest aids through midweek. Harvest continued until damp weather moved in. Many bolls slow opening with colder temperatures. Harvest progress was also delayed in the north-central areas. Peanut harvest was winding down in many fields in the north-central areas. Good yields continued to be reported. In the south-central areas, harvest was slowed by wet conditions. Soybeans good yields continued come out fields in Plains. Progress slowed by change in weather. Most fields were harvested in the north-central areas. Late varieties were being harvested along Upper Coast. Sugar beet harvest active most week. Delays did occur by end week. Yields remained good most fields. Sugarcane harvest in Rio Grande Valley underway, made good progress during week. The crop affected by extremely dry conditions during growing season.

Commercial Vegetables: Rio Grande Valley, melon harvest continued. Other vegetables making good progress. Citrus harvest increasing seasonally. San Antonio-Winter Garden, insect damage occurring some cabbage, spinach fields. Carrots, onions making good progress. East, sweetpotato harvest continued as did harvest many other cool season vegetables. High Plains, pepper harvest continued, delayed midweek. Trans-Pecos, a few cantaloups remained for harvest. Pecan harvest slowly increasing across State. Some trees along river banks flooded by heavy rains last week. Nuts in many areas continued open, fall. Crows, squirrels causing their normal problems.

Range and Livestock: Growth small grain pastures improving with added moisture many areas. Many producers continued overseed native pastures. Producers along rapidly rising rivers lost some livestock. Supplemental feeding again increased late week. Livestock conditions remained good overall.

UTAH: Days suitable for fieldwork 4.3. Corn harvested for grain 84%, 41% 1995, 64% avg. Range, pasture feed 1% very poor, 37% poor, 43% fair, 19% good. Major farm, ranch activities: Harvesting corn for grain, fall tillage, other projects. Last of the livestock were moved from summer pastures.

VIRGINIA: Days suitable for fieldwork 5.6. Topsoil 5% short, 88% adequate, 7% surplus. Subsoil 4% short, 87% adequate, 9% surplus. Corn 80% corn for grain harvested, 1995 89%, 87% avg.; 99% corn

silage harvested, 1995 100%, 100% avg. Cotton 40% harvested, 1995 57%, 46% avg. Soybeans 25% harvested, 1995 34%, 33% avg.; 2% poor, 13% fair, 61% good, 24% excellent. Peanuts 98% dug, 1995 98%, 98% avg.; 89% combined, 1995 95%, 94% avg. Livestock 7% fair, 83% good, 10% excellent. Pasture feed 1% poor, 13% fair, 77% good, 9% excellent. Fall apples 100% harvested, 99% 1995. Winter apples 85% harvested. Barley 85% seeded, 80% 1995, 84% avg. Oats 95% seeded, 67% 1995, 86% avg. Winter wheat 35% seeded, 1995 52%, 49% avg. Activities: Near-perfect weather promoted small grain seeding, fertilizer application, previously 1 to 2 weeks behind normal. Operators harvested corn, soybeans, milo. Cotton harvest moving along, peanut harvest almost complete. Making last of season's hay. Flue tobacco being marketed, burley being stripped, graded. Apple growers wrapping up fruit harvest, ahead of normal. Vegetable growers harvesting late season crops. Livestock operators weaned calves, marketed cattle. Grass appears plentiful, livestock appear in very good shape.

WASHINGTON: Days suitable for fieldwork 5.9. Topsoil 3% short, 69% adequate, 28% surplus; subsoil 10% short, 86% adequate, 4% surplus. Winter wheat, dryland 5% poor, 35% fair, 60% good; irrigated, 100% good. Seeding of winter wheat was nearing completion. Corn grain 20% harvested, 28% 1995, 51% avg. Corn silage harvest was complete in Lewis County. Hay, other roughage supplies, 3% short, 77% adequate, 20% surplus. Apple and grape harvests were nearly complete in Benton County, except for small amounts of Fuji apples, wine grapes. Vegetable crop harvests were nearing completion with the exception of carrots.

WEST VIRGINIA: Days suitable for fieldwork 4.3. Topsoil 1% short, 87% adequate, 12% surplus. Corn for grain harvest continued to lag behind normal. Winter wheat 17% fair, 83% good; 89% planted, 65% 1995, 66% avg. Corn 1% very poor, 1% poor, 6% fair, 81% good, 11% excellent; 47% harvested for grain, 89% 1995, 81% avg. High moisture continued to delay harvesting. Soybeans 1% very poor, 4% poor, 16% fair, 73% good, 6% excellent; 35% harvested, 44% 1995. Cattle 1% poor, 16% fair, 77% good, 6% excellent. Some calving problems reported. Sheep 1% poor, 10% fair, 85% good, 4% excellent. Activities: Harvesting corn for grain and soybeans; seeding wheat; marketing and working livestock and gathering firewood.

WISCONSIN: Days suitable for fieldwork 4.6. Soil moisture 2% very short, 6% short, 73% adequate, 19% surplus. Wet weather, high winds slowed harvesting, fall tillage activities. However, the weekend brought cold weather, freezing temperatures which improved harvesting conditions. A reporter from Grant County commented on tri-county corn plots yielding an average of 161 bushels per acre, with 31% moisture. A reporter from Waupaca County noted below average yields for corn. In some areas, corn fodder stacks are being made. Fall tillage was at 35% complete, compared with 48% 1995, 43% avg. Fall tillage will be limited as the frost penetrates below tillage depth. Harvested soybean acreage was nearly done at 90% complete statewide, in line with last year's figure of 90% complete, 3 points ahead average 87%. There are still soybean fields statewide to be harvested. Hay, roughage supplies 15% short, 79% adequate, 6% surplus, statewide. Reporters from Green, Grant, and Wood Counties commented that hay inventory will be adequate, good quality hay for dairy will be short. Cranberry harvest was reported done, with primarily very good fruit quality. Pasture feed 9% very poor, 26% poor, 45% fair, 19% good, 1% excellent.

WYOMING: Below-normal temperatures prevailed across Wyoming last week. Corn for grain 81% harvested, 55% 1995, 68% avg. Above-average corn yields were reported in the southeast.

Selected Peak Wind Gusts (mph) and Corn, Percent Harvested by State

State	Location	Peak Gust (Oct. 29-30)	Corn Harvested (as of Nov. 3)
CO	Co. Springs	79 mph	86 percent
	Pueblo	69	
KS	Goodland	60	93
	Russell	60	
NE	McCook	68	71
	N. Platte	66	
	Lincoln	57	
	Omaha	55	
SD	Huron	64	59
	Sioux Falls	61	
MN	Rochester	59	78
	Minneapolis	57	
IA	Burlington	73	62
	Ottumwa	68	
	Des Moines	66	
	Spencer	63	
MO	Columbia	59	79
	St. Joseph	56	
IL	Peoria	60	69
	Chicago	57	
IN	Indianapolis	49	47
OH	Toledo	59	35
MI	Grand Rapids	60	34
	Lansing	58	

October 1996

MONTHLY DATA FROM SELECTED FOREIGN CITIES
CLIMATE PREDICTION CENTER-NCEP-NWS-NOAA

***=DATA NOT AVAILABLE

International Weather and Crop Summary

October 27 - November 2, 1996

HIGHLIGHTS

FSU WESTERN: Seasonably cold weather eased winter grains into dormancy in northern Russia, but unusually cold weather in southern Russia and eastern Ukraine slowed plant establishment.

EUROPE: Rain in the north favored winter grain establishment, while dry weather in the south helped summer crop harvesting.

NORTHWESTERN AFRICA: Dry weather prevailed over winter grain areas in Morocco, Algeria, and Tunisia.

AUSTRALIA: Dry weather dominated the region, enhancing crop growth but reducing topsoil moisture in the southeastern winter grain belt.

SOUTH ASIA: A cyclone hit Bangladesh, causing flooding and possible damage to maturing rice.

SOUTH AFRICA: Much of the western corn belt remained too dry for planting.

SOUTHEAST ASIA: Tropical showers slowed rice harvesting across Indochina and the Philippines, but favored main-season rice in Java.

EASTERN ASIA: Widespread rain aided emerging winter wheat across the southern wheat areas of the North China Plain.

SOUTH AMERICA: In Argentina, rain benefited reproductive winter wheat and germinating corn and sunflowers. Across southern Brazil, drier weather helped to ease excessive wetness for summer crop and winter wheat fieldwork.

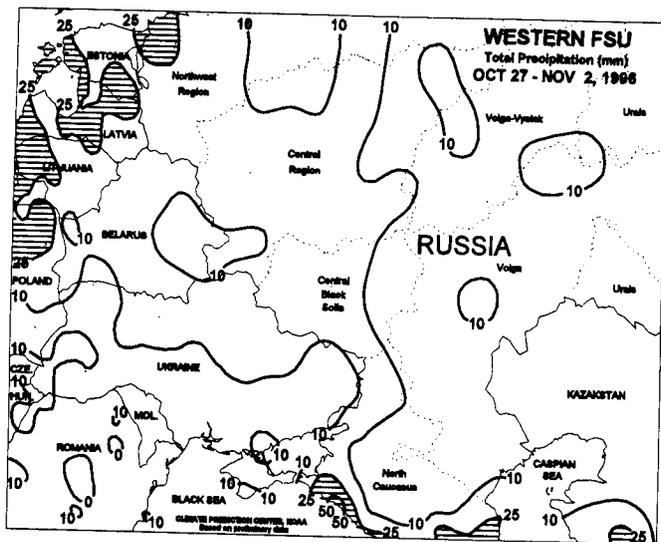
MEXICO: Seasonably drier weather favored corn harvesting across the main corn belt.

COUNTRY	CITY	TEMPERATURE (C)					PRECIPITATION (MM)		
		AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DPART F/NRM	TOTAL	DPART F/NRM
NORWAY	OSLO	9	4	15	-3	7	3.2	102	2
SWEDEN	STOCKHOLM	11	6	15	-4	8	3.2	14	-36
FINLND	HELSINKI	9	5	14	-3	7	2.3	74	2
U KING	GLASGOW	14	8	20	2	11	0.4	184	34
	EDINBURGH	15	8	20	2	11	1.4	97	32
	BIRMINGHAM	15	8	18	0	11	1.1	53	2
	LONDON	16	8	19	2	12	0.4	73	0
IRELND	DUBLIN	14	9	19	2	11	-0.5	104	33
ICELND	REYKJAVIK	7	3	13	-4	5	0.3	83	-23
DENMRK	COPENHAGEN	13	7	17	1	10	1.3	36	-21
LUXEMB	LUXEMBOURG	13	7	20	2	10	0.9	80	4
SWITZL	ZURICH	13	7	21	1	10	0.5	107	37
	GENEVA	15	7	22	-1	11	0.5	43	-32
FRANCE	PARIS/ORLY	16	8	22	2	12	***	38	**
	STRASBOURG	16	7	19	0	11	0.8	58	15
	BOURGES	16	7	22	1	12	0.1	69	11
	BORDEAUX	19	10	25	2	14	0.8	95	7
	TOULOUSE	18	10	23	1	14	0.2	48	-4
	MARSEILLE	19	12	23	4	16	0.1	46	-32
SPAIN	VALLADOLID	19	7	25	-1	13	-0.2	20	-17
	MADRID	22	8	27	-1	15	-0.6	8	-45
	SEVILLE	26	14	31	10	20	-1.9	12	-54
PORTUG	LISBON	23	14	27	11	19	-0.3	28	-48
GERMNY	HAMBURG	14	6	18	1	10	2.1	82	-1
	BERLIN	14	7	20	1	11	0.9	46	10
	DUSSELDORF	15	8	21	2	11	0.1	85	13
	LEIPZIG	13	7	20	2	10	1.1	35	-8
	DRESDEN	13	8	20	1	10	0.3	39	-13
	STUTTGART	14	8	22	-1	10	0.9	58	17
	NURNBERG	14	8	23	-1	10	-0.2	62	17
AUSTRI	VIENNA	15	8	23	-3	12	0.0	40	-10
	INNSBRUCK	14	5	22	-2	10	0.2	133	81
CZECH	PRAGUE	13	8	21	-2	9	-0.3	31	1
POLAND	WARSAW	13	6	22	0	10	1.3	27	-11
	LODZ	14	7	23	0	10	2.0	26	-14
	KATOWICE	14	6	22	-3	10	1.2	46	-8
	PRZEMYSL	13	6	21	0	9	0.4	73	31
HUNGAR	BUDAPEST	18	8	21	-1	12	0.9	24	-10
F YUGO	BELGRADE	17	9	24	1	13	0.6	31	-11
ROMANI	BUCHAREST	18	6	24	0	12	-0.3	22	-7
BULGAR	SOFIA	15	7	23	-2	11	2.9	26	-13
ITALY	MILAN	19	11	24	4	15	1.4	175	71
	VERONA	17	10	22	5	13	-0.8	110	33
	VENICE	18	10	21	5	14	-0.1	42	-29
	GENOA	21	15	24	12	18	0.1	227	55
	ROME	21	11	24	8	18	-0.7	178	86
	NAPLES	22	14	27	8	18	2.0	190	60
GREECE	THESSALONIKA	19	11	28	2	15	-0.1	39	-1
	LARISSA	19	10	25	1	15	-0.6	70	23
	ATHENS	21	14	28	8	18	0.6	35	-23
TURKEY	ISTANBUL	18	13	23	8	15	1.2	40	-24
	ANKARA	16	4	24	-4	10	-1.9	48	30
CYPRUS	LARNACA	26	16	30	11	21	-0.1	39	13
ESTONI	TALLINN	10	5	14	-3	7	2.2	46	-19
FSU	ST.PETERSBRG	9	5	14	-2	7	2.1	49	-14
LITHUA	KAUNAS	12	5	20	-1	9	2.6	42	-7
FSU	MINSK	12	5	19	-1	8	1.6	36	-12
	KAZAN	6	1	15	-8	4	-0.3	36	-8
	MOSCOW	9	3	16	-3	6	0.9	36	-19
	YEKATERINBURG	4	0	16	-7	2	-1.5	36	-5
	OMSK	6	-4	17	-13	1	-2.5	22	-9
	KUSTANAY	6	-2	19	-13	3	-1.4	9	-18
	NOVOSTBIRSK	4	-2	15	-18	1	-2.4	26	-5
	BARNAUL	7	-2	18	-18	2	-0.9	14	-37
	KHABAROVSK	9	-1	17	-12	4	-0.1	62	17
	VLADIVOSTOK	11	5	18	-8	8	0.2	25	-29
	KIEV	13	5	21	-1	9	0.9	41	7
	LVOV	13	5	21	0	9	1.0	50	3
	KIROVOGRAD	12	5	19	-4	8	0.4	16	-15
	ODESSA	14	9	19	5	11	0.7	8	-16

Based on Preliminary Reports

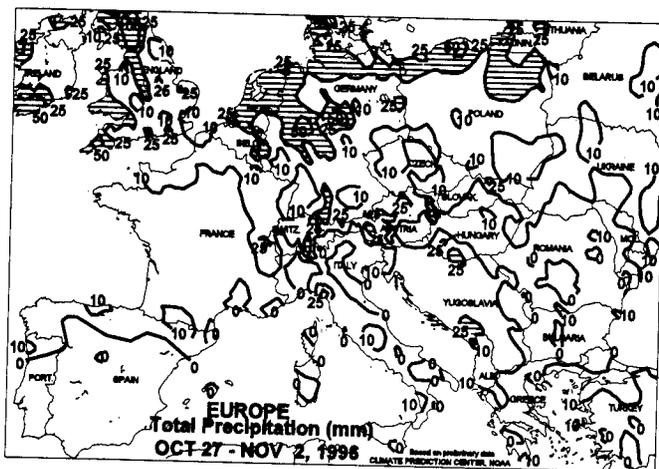
October 1996

COUNTRY	CITY	TEMPERATURE (C)						PRECIPITATION (MM)		COUNTRY	CITY	TEMPERATURE (C)						PRECIPITATION (MM)		
		AVG MAX	AVG MIN	HI	LO	AVG	DPART F/NRMM	TOTAL	DPART F/NRMM			AVG MAX	AVG MIN	HI	LO	AVG	DPART F/NRMM	TOTAL	DPART F/NRMM	
FSU	YALTA	17	11	22	5	14	3.2	41	-7	ETHIOP	ADDIS ABABA	23	7	25	4	15	3.2	2	-45	
	SARATOV	9	3	15	-4	6	3.2	18	-14		KENYA	NAIROBI	28	13	30	7	20	3.2	0	-43
	KHARKOV	11	4	18	-3	8	2.3	44	9		TANZAN	DAR ES SALAAM	30	19	32	14	24	2.3	98	31
	VOLGOGRAD	12	3	16	-8	8	0.4	13	-18		GABON	LIBREVILLE	**	**	29	21	**	0.4	**	**
	ROSTOV	13	6	19	-1	9	1.4	33	1		TOGO	LOME	30	24	33	20	**	1.4	29	-69
	ASTRAKHAN	15	4	22	-4	10	1.1	15	0		B FASO	OUAGADOUGOU	35	**	37	20	**	1.1	22	-9
	KRASNODAR	18	7	23	0	12	0.4	112	78		IVRY C	ABIDJAN	30	24	32	23	27	0.4	8	-128
	ORENBURG	10	-1	20	-10	4	-0.5	4	-37		MOZAMB	MAPUTO	**	**	37	14	**	-0.5	**	**
	TSELUNOGRAD	8	-1	20	-12	3	0.3	19	2		ZAMBIA	LUSAKA	**	**	35	12	**	0.3	0	-11
	KARAGANDA	8	-1	20	-10	4	1.3	27	-8		ZIMBAB	HARARE	29	15	32	10	22	1.3	0	-36
SYRIA	TBILISI	19	11	28	7	15	0.9	38	-1	S AFRI	PRETORIA	29	16	33	10	22	0.9	81	7	
	TASHKENT	21	7	30	1	14	0.5	10	-23		JOHANNESBURG	26	12	30	8	19	0.5	46	-30	
	ASHKHABAD	24	10	38	1	17	0.5	11	-6		BETHAL	28	11	30	5	18	0.5	95	19	
	DAMASCUS	27	9	35	2	18	-0.8	0	-12		DURBAN	24	17	33	12	20	0.3	119	21	
	JERUSALEM	24	13	34	7	19	0.8	30	0		CAPE TOWN	20	11	27	5	15	0.8	66	33	
	KRASNOVAR	35	22	39	15	28	0.1	0	0	CANADA	TORONTO	14	5	23	-2	9	0.1	78	13	
	KARACHI	31	15	36	1	23	0.6	11	-4		MONTREAL	13	3	22	-4	8	0.6	76	0	
	AMRITSAR	32	19	36	14	28	0.2	21	5		WINNIPEG	11	0	23	-12	5	0.2	27	-3	
	NEW DELHI	34	22	38	17	28	0.1	24	8		REGINA	10	-4	23	-17	3	0.1	24	3	
	AHMEDABAD	32	18	39	15	25	-0.2	64	23		SASKATOON	9	-4	23	-19	3	-0.2	6	-11	
INDORE	32	23	36	21	28	-0.8	188	56		LETHBRIDGE	13	-2	26	-16	6	-0.6	34	18		
CALCUTTA	33	23	38	21	28	-1.9	171	157		CALGARY	11	-2	23	-14	4	-1.9	23	8		
VERAVAL	33	23	38	20	28	-0.3	238	121		EDMONTON	9	-1	23	-14	4	-0.3	11	-7		
BOMBAY	30	18	33	14	24	2.1	189	123		VANCOUVER	13	7	21	-1	10	2.1	231	116		
POONA	30	21	32	18	25	0.9	104	11	MEXICO	GUADALAJARA	24	14	30	9	19	0.9	18	-52		
BEGAMPET	30	25	32	23	28	0.1	389	**		MEXICO CITY	23	12	28	8	18	0.1	102	67		
VISHAKHAPATNAM	31	24	35	22	28	1.1	341	58		ACAPULCO	33	24	34	23	29	1.1	192	52		
MADRAS	31	23	34	22	27	0.3	140	-67		BERMUD	ST. GEORGES	25	22	28	20	24	0.3	214	53	
MANGALORE	29	23	31	20	26	0.9	58	**		BAHAMA	NASSAU	29	23	33	18	26	0.9	119	-54	
KINGS PEAK	17	5	22	-8	11	-0.2	42	-10		JAMAIC	KINGSTON	32	26	34	24	29	-0.2	62	-101	
PYONGYANG	19	11	24	0	15	0.0	91	42		P RICO	SAN JUAN	**	**	**	**	**	**	**		
SEOUL	18	8	21	0	12	0.2	158	42		GUADEL	RAIZET	31	24	33	22	28	0.2	62	-83	
SAPORO	23	13	28	7	18	-0.3	108	-9		MARTINQ	LAMENTIN	30	24	32	22	27	-0.3	153	-90	
NAGOYA	22	15	27	9	18	1.3	89	-75		BARBAD	BRIDGETOWN	30	24	32	22	27	1.3	86	-82	
TOKYO	22	14	26	7	18	1.2	108	-10		TRINID	PORT OF SPAIN	32	24	34	22	28	2.0	57	-135	
YOKOHAMA	23	15	28	9	19	0.4	112	3		COLOMB	BOGOTA	20	8	23	3	14	1.2	120	4	
OSAKA	32	23	34	20	28	0.9	88	-7		VENEZU	CARACAS	32	25	35	21	26	0.4	75	27	
PHETCHABUN	33	25	34	22	29	0.8	211	-27		F GUIA	CAYENNE	32	22	33	20	27	0.9	19	-80	
BANGKOK	32	24	34	22	28	-0.3	219	-53		BRAZIL	FORTALEZA	30	24	31	23	27	0.8	21	6	
KUALA LUMPUR	30	23	33	18	27	2.9	74	-25		RECIFE	28	23	29	21	26	-0.3	34	-21		
HANOI	11	0	21	-16	5	1.4	20	-2		BELO HORIZONTE	28	19	32	15	24	2.9	53	-99		
HARBIN	18	3	28	-2	11	-0.6	14	12		CAMPO GRANDE	31	20	35	13	25	1.4	162	43		
HAMI	18	6	27	2	12	-0.1	30	6		FRANCA	28	18	31	15	23	-0.8	189	29		
LANCHOW	18	8	23	2	13	0.1	31	13		RIO DE JANEIRO	**	**	30	19	**	-0.1	**	**		
BEIJING	18	9	24	2	14	-0.7	43	22		LONDRINA	**	17	34	13	**	0.1	188	22		
TIENTSIN	18	3	22	-2	11	2.0	7	-3		SANTA MARIA	24	15	30	9	20	-0.7	100	-46		
LHASA	21	13	26	10	17	-0.1	87	2		PORTO ALEGRE	25	16	33	9	20	2.0	**	**		
KUNMING	21	10	28	3	16	-0.6	60	11		PERU	LIMA	20	15	22	14	17	-0.1	0	0	
CHENGCHOW	23	15	29	11	19	0.6	50	-37		BOLIVI	LA PAZ	16	2	19	-1	9	-0.6	15	-22	
YEHCHANG	23	16	30	10	19	1.2	82	-6		CHILE	SANTIAGO	23	7	31	4	15	0.6	2	-10	
HANKOW	22	16	28	12	19	-1.9	45	**		ARGENT	IGUAZU	26	17	33	10	21	1.2	692	**	
CHUNGKING	23	14	31	10	19	-0.1	124	20		FORMOSA	26	18	34	15	22	-1.9	290	171		
CHIHKIANG	23	14	32	8	19	2.2	111	**		CERES	26	14	35	7	20	-0.1	87	17		
WU HU	23	17	27	9	20	2.1	91	**		CORDOBA	26	12	36	4	19	2.2	53	-19		
SHANGHAI	25	17	33	12	21	2.8	18	-39		RIO CUARTO	24	13	33	7	18	2.1	80	3		
NANCHANG	27	23	31	20	25	1.8	69	-53		ROSARIO	25	13	33	8	19	2.6	116	25		
CANTON	30	21	32	18	25	-0.3	1	-79		BUENOS AIRES	22	13	28	4	17	1.6	43	-65		
NANNING	30	21	33	18	25	0.9	14	-57		SANTO ROSA	23	10	31	3	17	-0.3	68	-2		
LAS PALMAS	27	21	31	18	24	-1.5	0	-12		TRES ARROYOS	21	9	27	1	15	0.9	75	-9		
CASABLANCA	23	15	29	12	19	-2.5	22	-10		N CALD	NOUMEA	27	21	31	17	23	-1.5	17	-37	
MARRAKECH	29	15	35	11	22	-1.4	6	-11		FUJI	NAUSORI	30	26	33	23	28	-1.4	739	468	
ALGER	23	11	27	7	17	-2.4	89	-17		SAMOA	PAGO PAGO	29	23	30	21	26	-2.4	281	190	
BATNA	22	6	30	1	14	-0.9	6	-23		TAHITI	PAPEETE	31	24	40	24	28	-0.9	31	-10	
TUNIS	24	15	32	10	20	-0.1	48	-18		PA N G	PORT MORESBY	33	25	34	23	29	-0.1	125	47	
NIGER	38	25	39	22	31	0.2	13	2		AUSTRAL	DARWIN	24	15	28	10	19	0.2	27	-78	
MALI	40	25	43	20	32	0.9	3	1			BRISBANE	23	11	35	5	17	0.9	53	6	
BAMA	35	22	38	20	29	1.0	35	-32			PERTH	23	8	38	4	16	1.0	12	-10	
NOUAKHOTT	37	24	43	19	31	0.4	3	-5			CEDUNA	20	10	33	6	15	0.4	12	-24	
DAKAR	32	25	34	20	28	0.7	39	4			ADELAIDE	19	9	30	4	14	-0.2	28	-33	
DIEGO GARCIA	**	**	30	26	**	**	**	**			MELBOURNE	21	8	30	4	15	0.6	32	-25	
TRIPOLI	27	16	38	10	22	-0.9	14	-32			WAGGA	19	7	25	1	13	0.3	55	-6	
BENGHAZI	25	17	32	9	21	-1.3	23	5			CANBERRA	32	24	34	21	28	0.3	342	**	
CAIRO	29	18	35	14	23	-0.3	0	0		INDONE	DJAKARTA	32	26	34	24	29	1.3	114	-98	
ASWAN	38	22	43	14	29	0.7	0	0		PHILIP	MANILA	32	26	34	24	29	1.3	1		



FSU-WESTERN

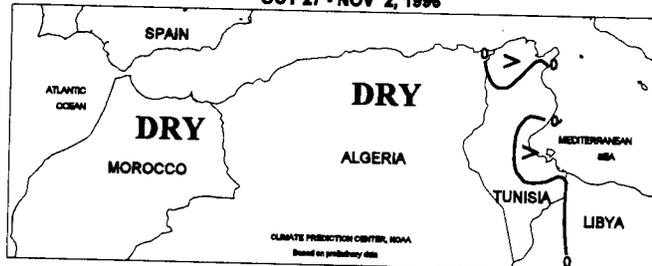
Scattered showers (2-12 mm) fell over Russia, Ukraine, and Belarus, causing only brief delays for late summer crop harvesting. The precipitation continued to maintain adequate soil moisture for developing winter grains. Elsewhere, significant rain covered the Baltics, where precipitation amounts ranged from 12 to 40 mm. Seasonable temperatures prevailed across northern Russia and northern Belarus, where winter grains began slipping into dormancy at typical dates. Farther south, unseasonably cold weather in eastern Ukraine and southern Russia slowed further winter grain establishment. Mild weather is needed in these areas to ensure that winter wheat becomes well established before entering dormancy, typically in mid-November. In cotton areas of Central Asia, continued warm, dry weather favored harvest activities.



EUROPE

Light to moderate rain (10-42 mm) fell from the United Kingdom, eastward throughout the Benelux countries and Germany, into Poland. Although the rain slowed corn and sugar beet harvesting, it provided soil moisture for winter crop establishment. Mostly dry weather prevailed over Spain, France, Italy, and Greece, benefiting summer crop harvesting. Elsewhere, mostly dry weather in Romania and Bulgaria favored late-season fieldwork for summer crop harvesting and winter grain planting. Weekly temperatures averaged 2 to 4 degrees C over most of Europe, favoring winter grain emergence and establishment.

NORTHWEST AFRICA Total Precipitation (mm)
OCT 27 - NOV 2, 1996

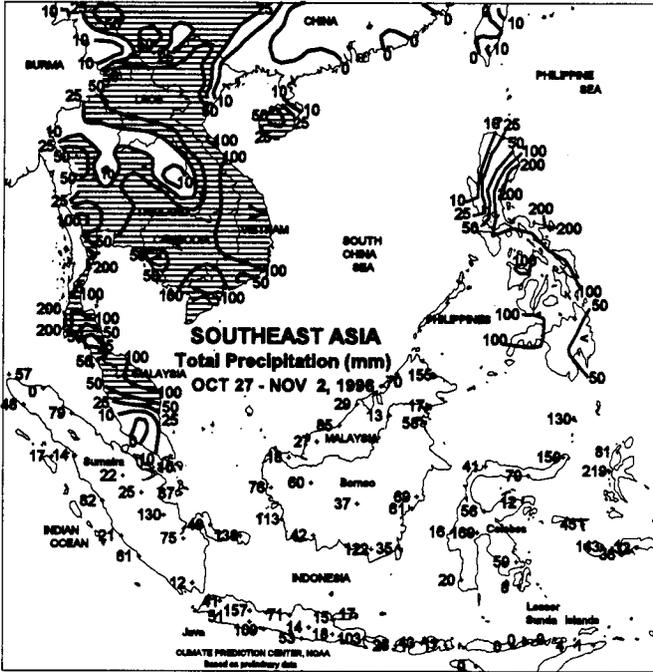


NORTHWESTERN AFRICA

Dry weather prevailed over winter grain areas in Morocco, Algeria, and Tunisia. Although early winter grain planting is likely underway in most areas, growers are awaiting the onset of consistent autumn rains before planting can become widespread.

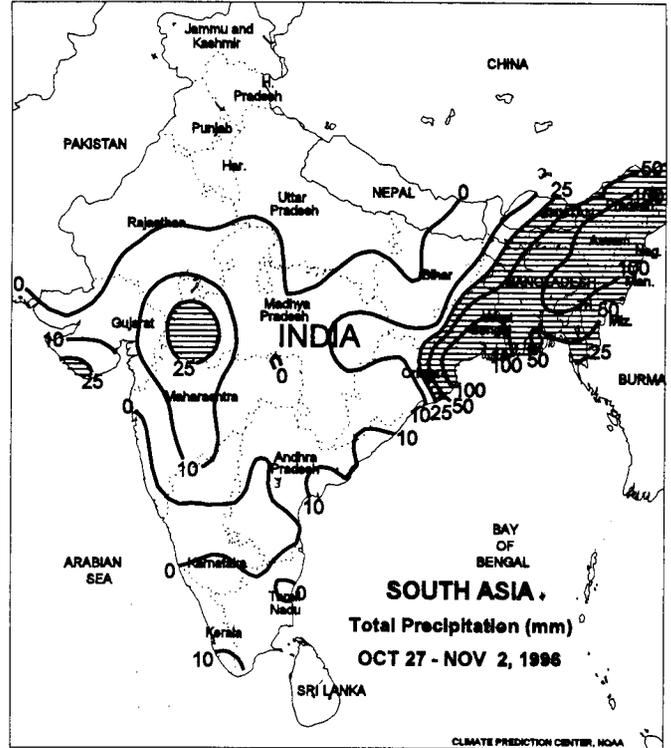
SOUTHEAST ASIA

Seasonal showers (20-60 mm, with scattered amounts greater than 100 mm) boosted irrigation supplies for main-season rice across Java. In Indochina, a tropical depression (sustained winds less than 40 mph) helped to produce widespread showers (40-125 mm) across Vietnam, slowing rice harvesting. Heavier showers (150-200 mm) caused flooding along the central and south-central coasts of Vietnam. Moisture from this storm contributed to moderate showers (20-60 mm) in Thailand, also slowing fieldwork. Additional tropical activity produced heavy showers (40-200 mm) along peninsular Thailand. The northeast monsoon generated widespread showers (25-150 mm) across the Philippines, slowing main-season rice harvesting but providing ample moisture for second-season grains.



SOUTH ASIA

A tropical cyclone hit southwestern Bangladesh with sustained winds of about 45 knots. Flooding occurred from both heavy rain (exceeding 100 mm) and the accompanying storm surge. Harvesting of the main rice crop (Aman) typically begins in November, meaning that most of the crop was in the field when the storm hit and was susceptible to damage. Elsewhere, dry weather dominated the region west of Bangladesh, benefiting maturing grains, oilseeds, and cotton. The dryness was especially welcomed in southern India for flood relief, following recent weeks of locally inundating rains.

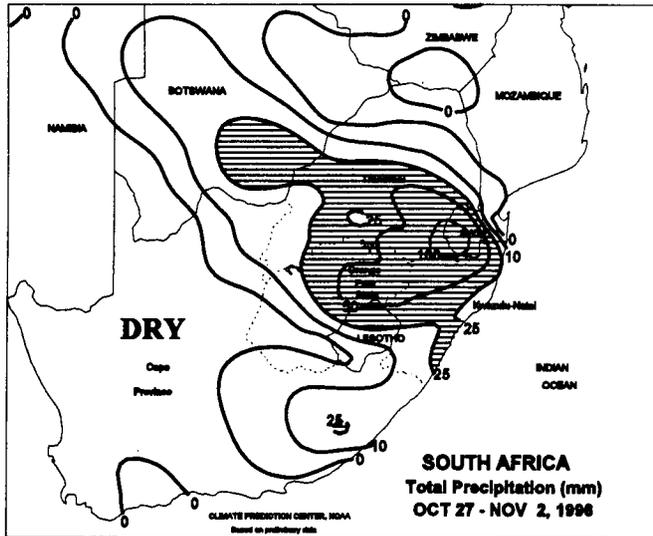


EASTERN ASIA

Moderate to heavy rain (25-80 mm) fell across the southern North China Plain, boosting moisture supplies for emerging winter wheat. The rain, however, slowed late cotton and late double-crop rice harvesting. Lighter rain (10-50 mm) stretched from southwest China (Yunnan and Guangxi) to the Yangtze Valley, increasing topsoil moisture for winter grain and oilseed planting. Temperatures averaged 2 to 4 degrees C above normal across China. Moderate rain (20-50 mm) slowed late rice harvesting in South Korea and Japan.

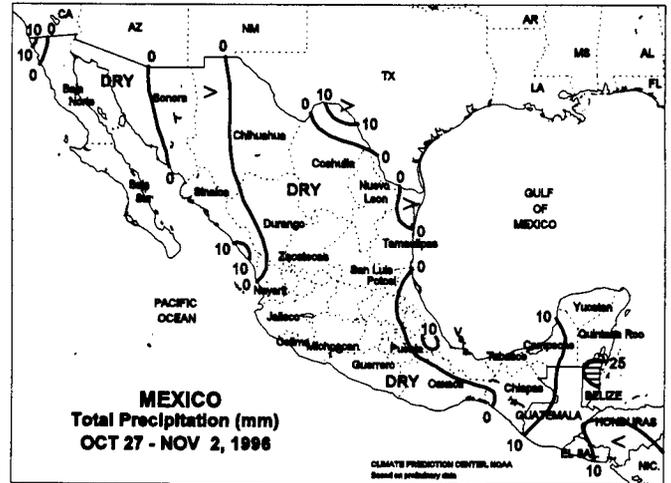
SOUTH AFRICA

Widespread rain (20-50 mm or more) continued throughout the eastern corn belt, increasing moisture reserves for crop germination and establishment. Lighter showers (10-22 mm) fell over previously dry North-West Province, improving soil conditions prior to planting. Dry weather persisted in western Orange Free State. Temperatures averaged above normal throughout the corn belt, with highs of 32 to 36 degrees C exacerbating topsoil moisture losses in the west. Elsewhere, showers (16-35 mm) covered the main sugarcane areas. Dry weather in Western Cape brought some relief to maturing winter wheat soaked by the previous week's unseasonable rains.



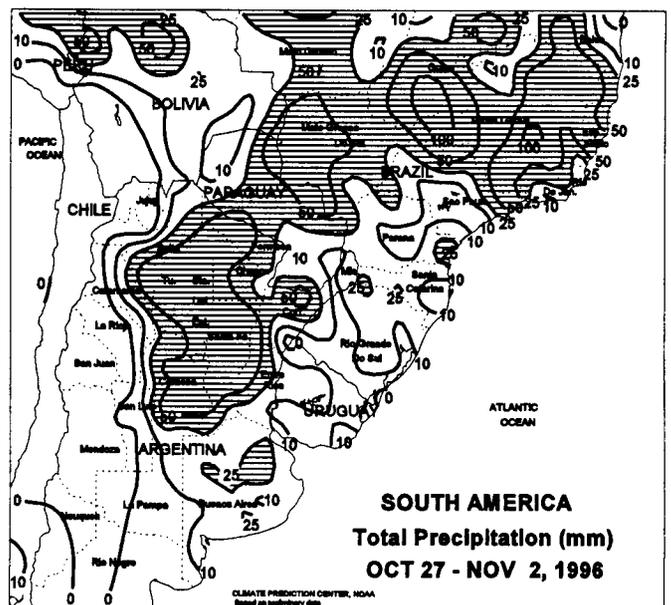
MEXICO

Seasonably dry weather aided corn harvesting across the southern Plateau corn belt. Warm weather (2-4 degrees C above normal) prevailed across the country. This is the last weekly summary for Mexico until the spring of 1997. Updates will be published as warranted.



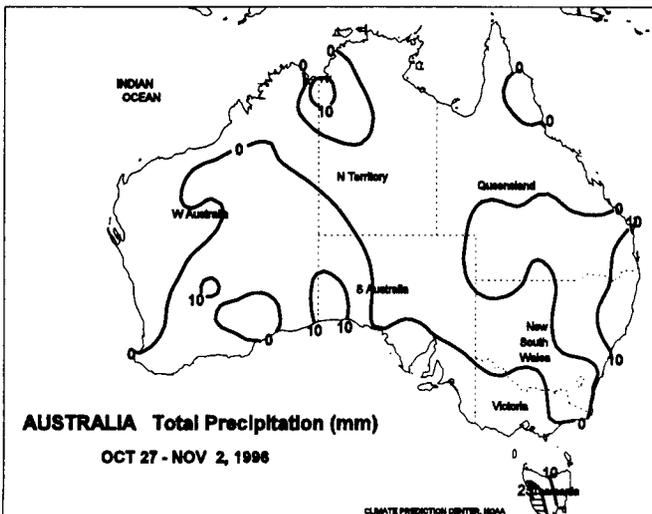
SOUTH AMERICA

In Argentina, rain covered most major growing areas. Light to moderate rain (10-30 mm) fell across central Argentina, boosting topsoil moisture for reproductive winter wheat and germinating corn and sunflowers. In northern Argentina, widespread rain (25-80 mm) increased moisture supplies for cotton and sunflowers. As of October 25, reports indicated that corn planting progressed to 45 percent complete, sunflowers 27 percent, and cotton 10 percent. In southern Brazil, as well as southern Paraguay, lighter showers (5-20 mm) helped to ease wetness and allowed some summer crop planting across western Parana and northwestern Rio Grande do Sul. The drier weather also aided late winter wheat harvesting, which has been hampered by the previous heavy rainfall. Elsewhere in Brazil, moderate to scattered heavy showers (25-100 mm) moistened topsoils for soybean planting. Temperatures averaged 1 to 4 degrees C above normal across Argentina, Paraguay, and southern Brazil.



AUSTRALIA

A dry weather pattern dominated the major agricultural areas. In the winter grain belts, seasonal warmth aided crop development but enhanced moisture losses in the southeast (South Australia, Victoria, and southern New South Wales). This area has been trending dry in recent weeks, and moisture was likely becoming limited for immature crops. Winter grains ranged from filling to maturing, with harvesting underway in the traditionally warmest northern areas. In Queensland, scattered light showers (1-12 mm) caused no significant fieldwork delays in major sorghum, cotton, and sugarcane areas.



Summer Rainfall Eases Drought Across Northern Mexico

Rainfall during the 1996 rainy season (June-October) eased long-term drought across most of northern Mexico and will provide adequate irrigation supplies for the upcoming winter crop season. According to the Mexican National Water Commission (Spanish acronym CNA), water levels in the country's reservoirs increased from 13 percent of capacity in June 1996 to 50 percent of capacity by September 15, 1996. During the 1994 and 1995 rainy seasons, below-normal rainfall reduced irrigation supplies to extremely low levels across northern Mexico. This lack of rainfall and irrigation supplies adversely affected winter grains and pastures. June-to-October rainfall typically accounts for 70 to 80 percent of the total annual rainfall across northern and central Mexico.

During the 1996 rainy season, rainfall averaged below normal across the northeast, with some areas of Tamaulipas reporting totals less than 50 percent of normal (fig. 1). Figure 2 compares the cumulative rainfall averaged across the northeastern region, which includes lowland areas of Nuevo Leon and all of Tamaulipas, between 1996, 1995, and the 30-year normal. In this region, 1996 rainfall averaged about the same as last year, thus not significantly erasing long-term moisture, but providing some moisture for irrigation. The northeast is

the one region in northern Mexico that is in the greatest need of additional rainfall. This region grows winter sorghum, citrus, and some vegetables. Across the northern interior of Mexico, including the highlands and plateaus of the states of Chihuahua, Coahuila, northern Durango, and extreme western Nuevo Leon, 1996 summer rainfall averaged near normal to slightly below normal. Several areas of above-normal rainfall existed in southern Coahuila and central Chihuahua, which were offset by areas with less than 75 percent of normal rainfall in the northern parts of those states (fig. 1). When the entire region is averaged together, the 1996 seasonal rainfall was slightly below normal and higher than last year's (fig. 3). This region primarily produces livestock and grains. In the northwest (Sonora and Sinaloa), where winter wheat and a significant portion of vegetables are produced, rainfall averaged slightly below normal. Across the rest of Mexico, rainfall averaged near to slightly below normal across the main corn belt, with below-normal rainfall reported across the extreme south and the Yucatan Peninsula.

The following is a regional breakout of mid-September reservoir capacities from the CNA: northwest, 60 percent of capacity; northeast, 38 percent; central, 44 percent; and southern, 85 percent. These numbers represent the portion of the reservoir that is filled and does not represent a percentage of normal.

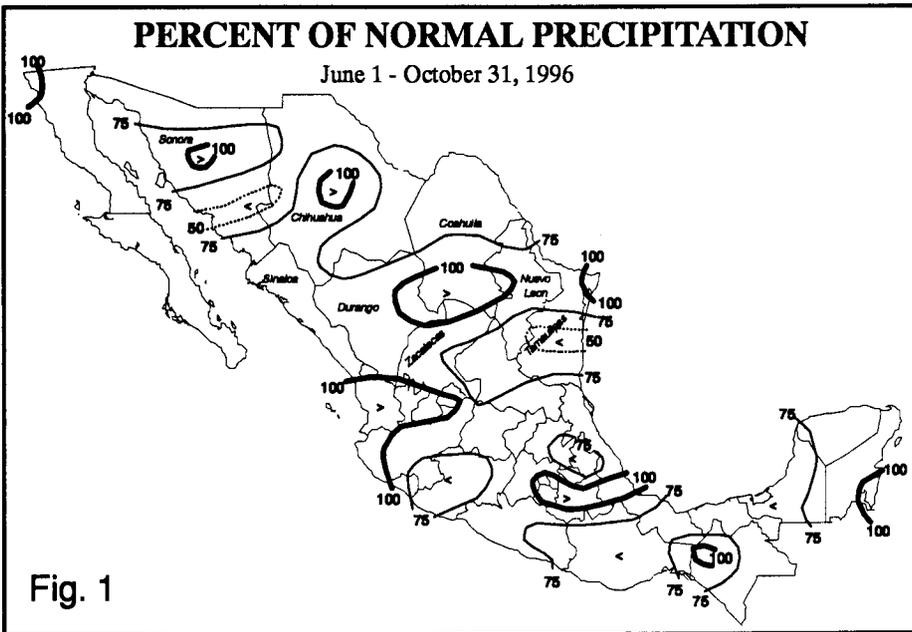


Fig. 1

During the summer, moisture from several hurricanes brought significant rainfall to the northern half of Mexico. In mid-August, moisture from Hurricane Dolly doubled the year-to-date rainfall across portions of Tamaulipas and southern Texas. This rainfall is reflected by the initial jump in the 1996 cumulative rainfall (fig. 2). In mid-September, Hurricane Fausto brought beneficial rainfall to Sinaloa and Chihuahua, while in early October, moisture from Hurricane Hernan contributed to favorable rains across Sinaloa, Durango, and Coahuila. Moisture from tropical systems usually contributes significantly to annual rainfall across Mexico and in 1996 was crucial in easing drought across most northern areas.

--Bob Stefanski

MEXICO - NORTHEAST
CUMULATIVE RAINFALL (mm)

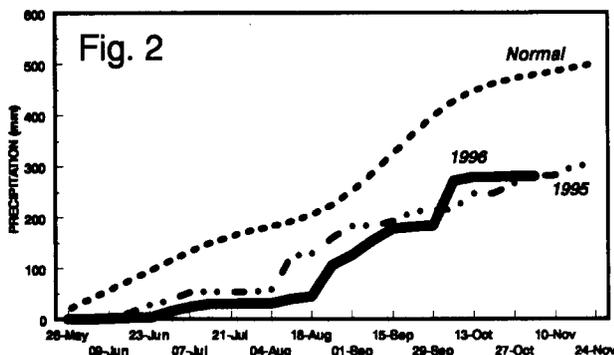


Fig. 2

MEXICO - NORTHERN INTERIOR
CUMULATIVE RAINFALL (mm)

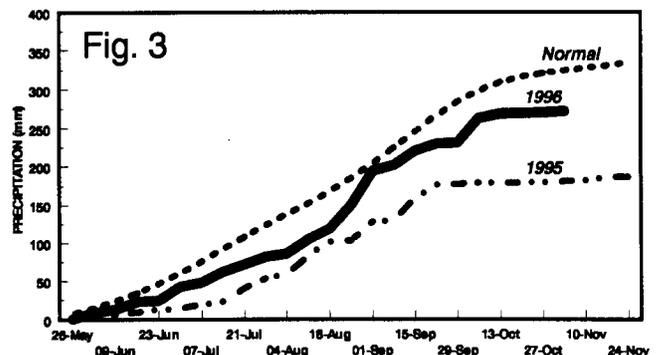


Fig. 3

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(Continued from front cover)

from the **southern Plains** to the **southern Appalachians**. Despite the late-week arrival of cooler air, weekly temperatures ranged from 6 to 10°F above normal from **southern Texas** to **Virginia**.

Early in the week, precipitation continued in the **Southwest**, while cold air settled over the **Northwest**. On Sunday, winds gusted to 47 mph in **Albuquerque, NM**, while in **Colorado**, snowfall reached daily-record levels in **Pueblo** (3.4 inches) and **Alamosa** (6.0 inches). Lows of 11°F in **Casper, WY** and 12°F in **Pocatello, ID** were among a half-dozen daily records. Farther east, thunderstorms flared along the tail of a cold front, resulting in a daily-record rainfall (3.81 inches) in **Dallas-Ft. Worth, TX**. South of the front, **Meridian, MS** (85°F) notched their first of two daily-record highs.

On Tuesday, a rapidly intensifying storm crossed the **North-Central States**. The minimum barometric pressure in **Sioux Falls, SD** (28.94 inches, or 980 millibars) was their lowest since April 1982. **Minneapolis, MN** posted an October-record pressure of 28.90 inches (979 millibars). On the night of October 29-30, a 1.66-inch (56-millibar) pressure difference existed between the storm near **Lake Superior** and a high-pressure system over **Montana**, fueling high winds. Before midnight, wind gusts reached or exceeded 60 mph at numerous locations, including **North Platte, NE** (66 mph), **Huron, SD** (64 mph), **Fargo, ND** (61 mph), **Sioux City, IA** (61 mph), **Cheyenne, WY** (60 mph), and **Peoria, IL** (60 mph). The next day, gusts were clocked to 60 mph in **Grand Rapids, MI** and 59 mph in **Toledo, OH**. The storm also dropped an inch or more of rain from **eastern**

South Dakota to **Michigan**, including a daily-record total (1.34 inches on October 29) in **LaCrosse, WI**.

Farther east, about two dozen daily-record highs were set on October 29-30. On Tuesday, **Corpus Christi** (92°F) logged their first of three daily-record highs in 4 days. Elsewhere, daily records on Wednesday included 82°F in **Washington, DC** and 86°F in **Raleigh-Durham, NC**. Warmth lingered through October 31 in **southern Florida**, where **Ft. Myers** (91°F) tallied their eighth consecutive day of 90-degree heat and sixth daily-record high in 8 days. Meanwhile, **California's** storm dumped daily-record rainfall in **Fresno** (1.50 inches on Tuesday) and at **Los Angeles' Civic Center** (1.02 inches on Wednesday), before turning eastward across the **South**. Farther north, the cold air's inevitable spread resulted in a handful of daily records, including 19°F in **Carroll, IA** on November 1, and 23°F in **Cincinnati, OH** a day later. On the **northern High Plains**, a 1- to 3-inch snow cover in most areas protected winter wheat from midweek temperatures in the single digits. Toward week's end, the season's first widespread snow squalls developed downwind of the **Great Lakes**.

In **Alaska**, cold air eroded from west to east, ending the recent cold snap. **Fairbanks'** 21-day streak of below-normal temperatures ended on Tuesday, as readings rebounded from a low of -27°F on October 27 to 31°F on October 29. Snow continued in many areas, however, including **Fairbanks**, where the snow depth at month's end was 10 inches, a 4-inch increase from October 27. In **Hawaii**, hot, generally dry weather prevailed. **Kahului's** weekly temperature averaged 4°F above normal, bolstered by a daily-record high of 94°F on October 27.

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