

WEEKLY WEATHER AND CROP BULLETIN

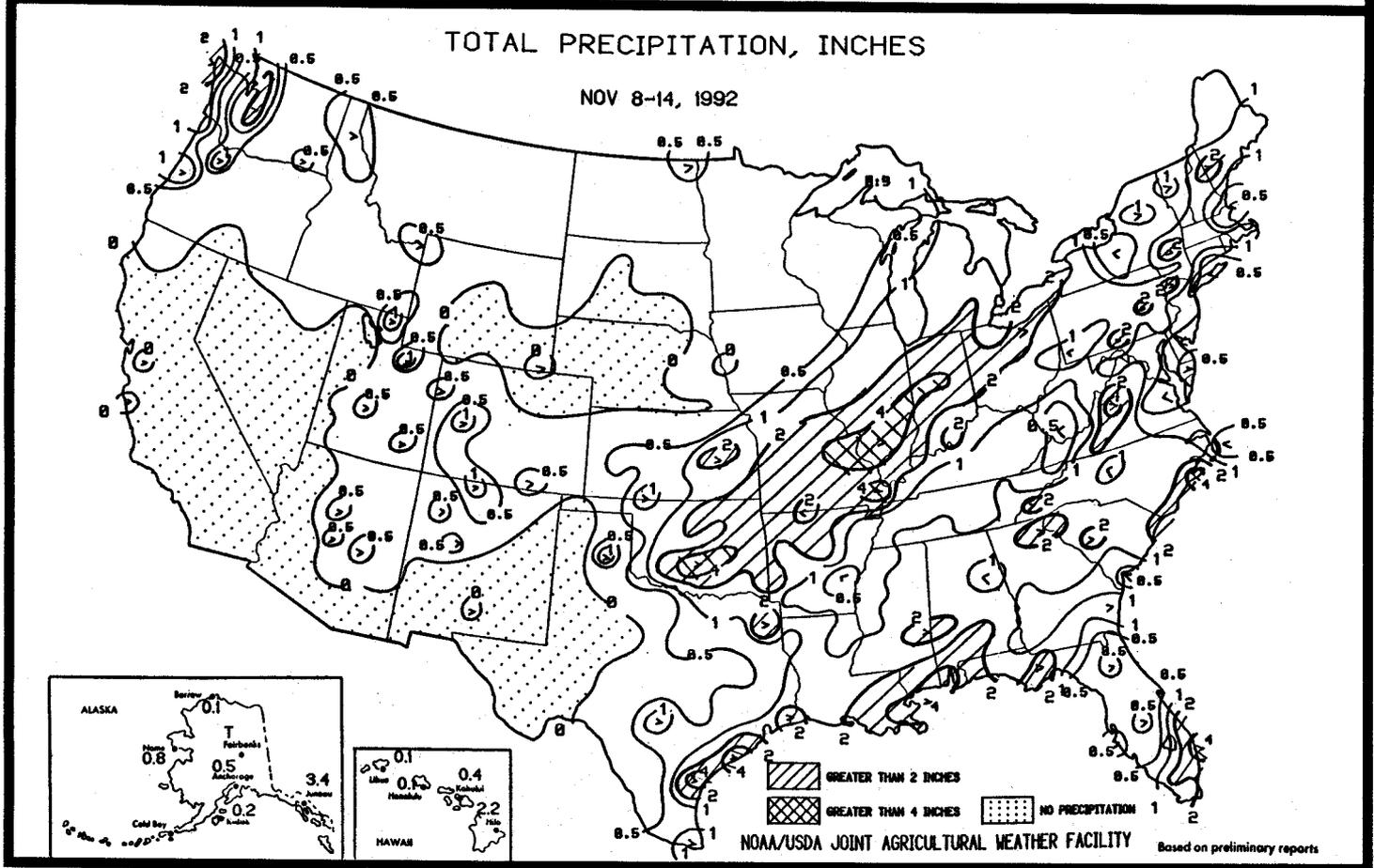
U.S. DEPARTMENT OF COMMERCE
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HIGHLIGHTS

November 8 - 14, 1992

Rain continued to disrupt harvest activities across all of the Corn Belt except the northwestern portion as a powerful storm lifted from the southern Rockies to Quebec. Early in the week, remnant cold air from last week's storms cloaked the East, while heavy snow moved into the Northwest's mountains. Among the dozen daily record lows was a reading of 10°F in Concord, NH. In Washington State, snowfall topped 1 foot at Stampede Pass. In between, strong southerly winds developed in the Plains, pushing temperatures above 80°F as far north as Altus, OK. Meanwhile in Alaska, a pair of storms kept southern and western areas under a fierce combination of rain, snow, and high winds. In Yakutat, AK, winds gusted to 70 mph, and year-to-date precipitation reached 200 inches, the third highest total there since records began in 1917. By midweek, a developing storm produced heavy snow in the central and southern Rockies, and fueled thunderstorm development in Oklahoma and Texas. Snowfall exceeded 1 foot

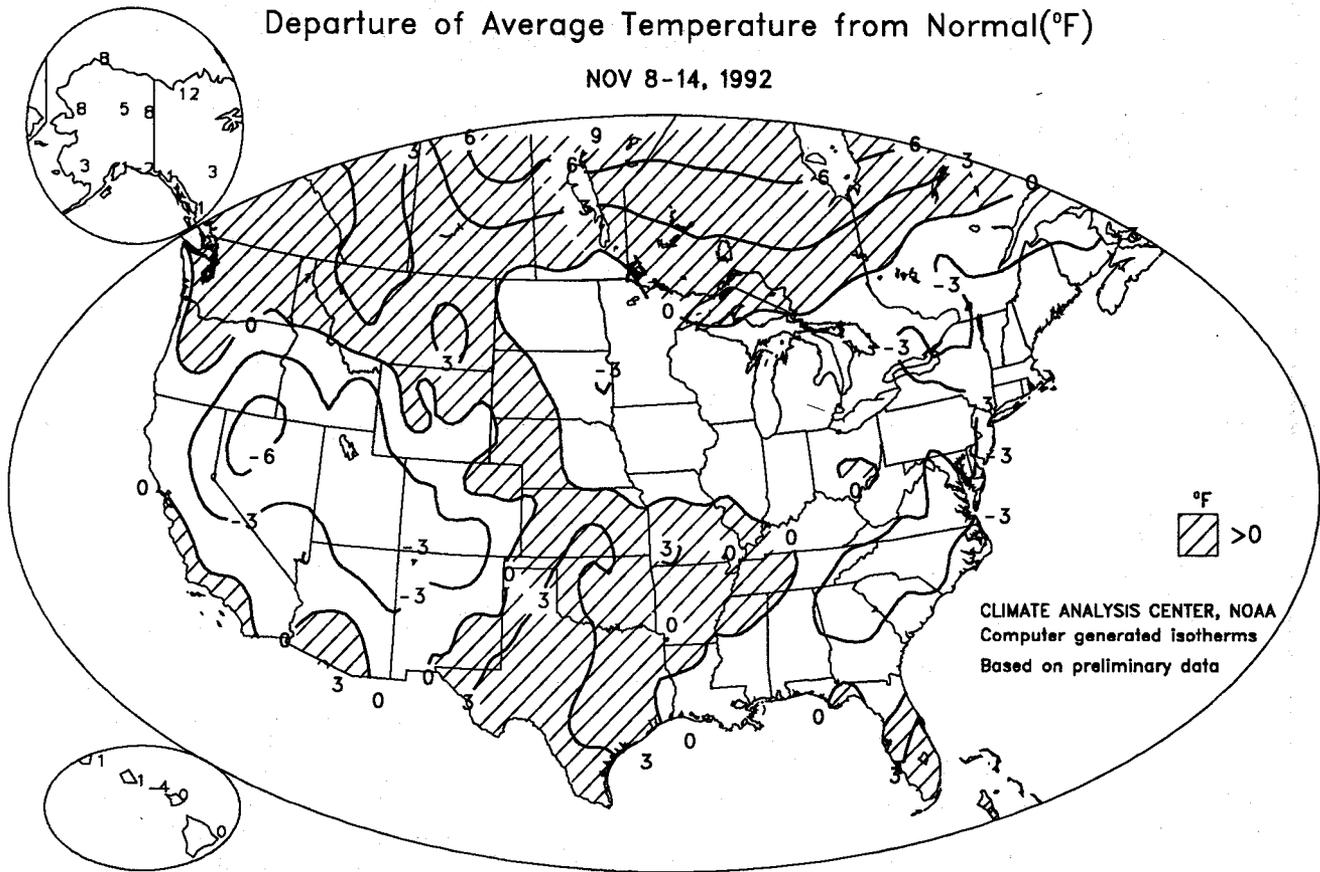
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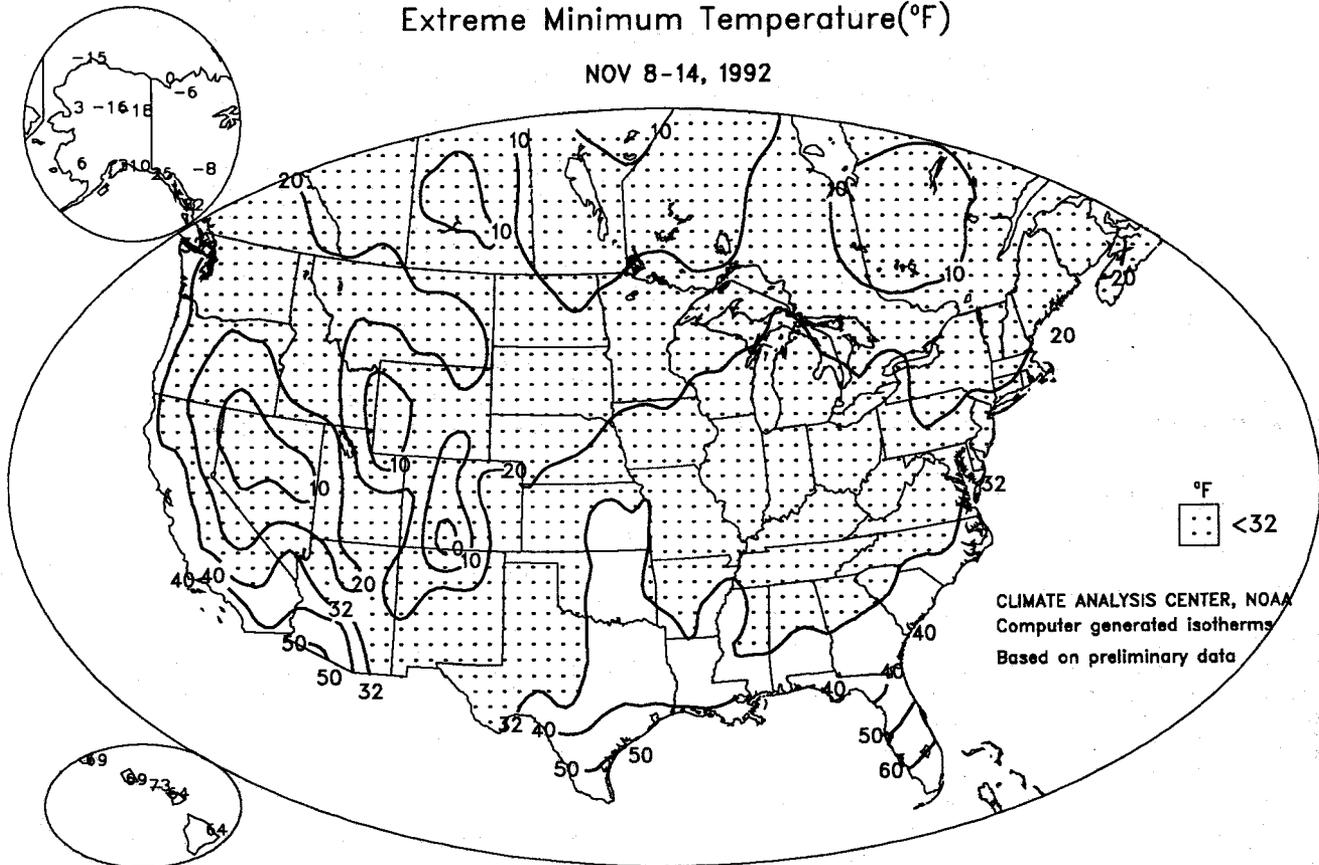
Departure of Average Temperature from Normal(°F)

NOV 8-14, 1992



Extreme Minimum Temperature(°F)

NOV 8-14, 1992



Autumn Dryness in the Southern High Plains

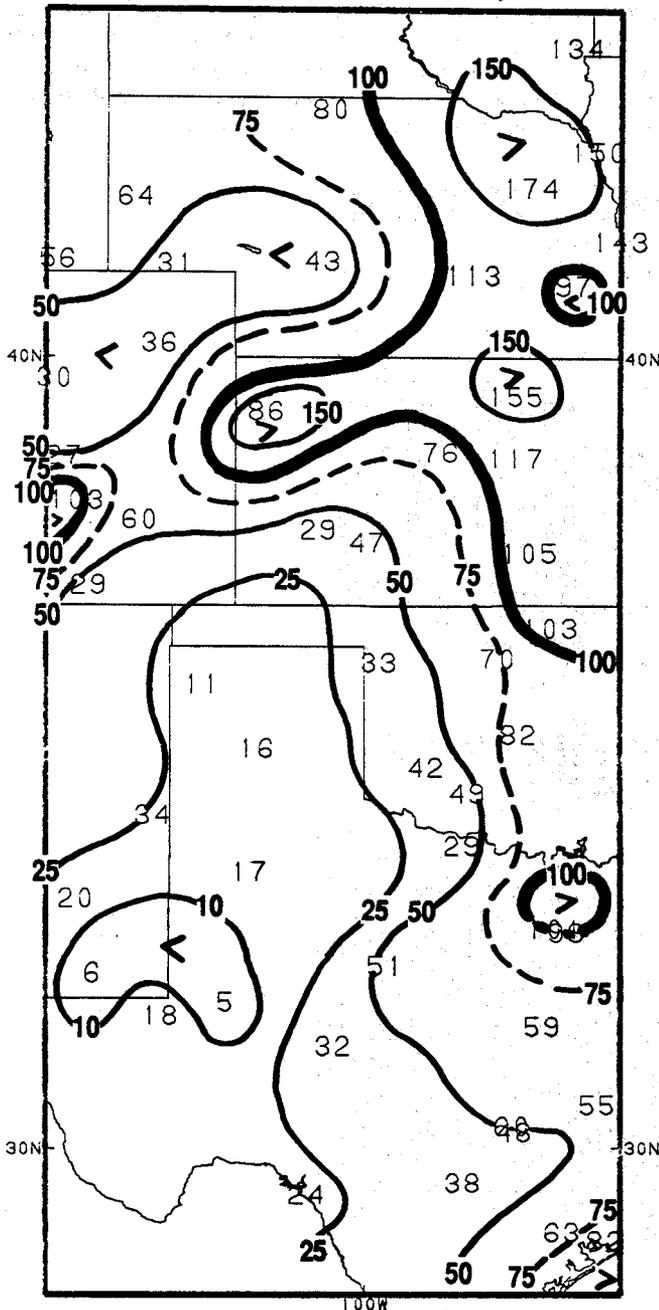
Severe short-term dryness has affected the southern High Plains since the passage of Hurricane "Lester's" remnants in late August. Although the dry weather has enhanced cotton harvest activities on Texas' High Plains, it is also stressing non-irrigated winter wheat in Texas and the Oklahoma Panhandle.

of rainfall during the 75-day period (16 percent of normal). Conditions are nearly as bad in western Oklahoma, with autumn precipitation accumulating at a rate less than 50 percent of normal. Although spotty dryness exists in the High Plains of Colorado, Kansas, and Nebraska, moisture for rain-fed winter wheat is considerably more favorable.

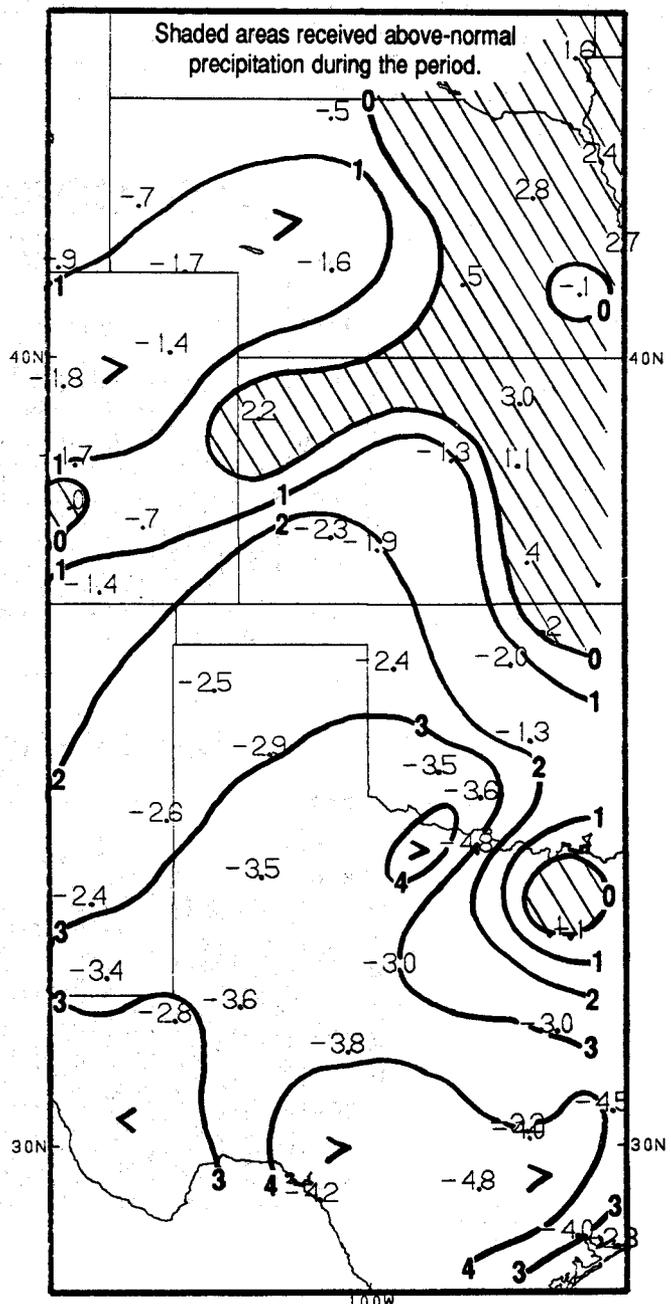
Rainfall during the past 75 days (September 1 - November 14) has been negligible (0.2 inches, or 5 percent of normal) near Midland-Odessa, TX. Farther north, in the winter wheat growing region, Amarillo, TX, has received only one-half inch

Winter wheat conditions have slipped in Oklahoma and Texas due to the dryness. As of November 15, 13 percent of the winter wheat rates poor in Oklahoma, and 37 percent rates very poor to poor in Texas.

**Percent of Normal Precipitation (inches)
September 1 - November 14, 1992**



**Precipitation Deficit (inches)
September 1 - November 14, 1992**



Crop Production Highlights

(Excerpted from the November 10, 1992, release of the U.S. Department of Agriculture's *Crop Production* report. Forecasts refer to November 1, 1992.)

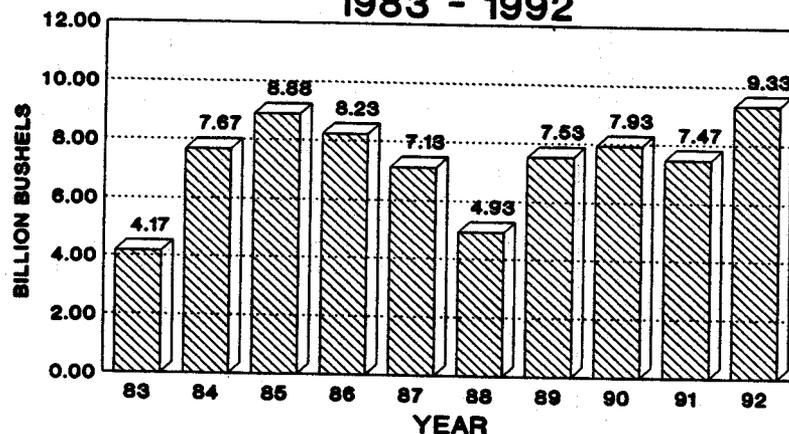
Corn for grain production is forecast at a record high 9.33 billion bushels, up 4 percent from last month and 25 percent above the 1991 crop. The U.S. average yield per acre is forecast at a record high 129.3 bushels, up 5.5 bushels from last month and 20.7 bushels above the 1991 average yield. Record yields are forecast for Illinois, Indiana, Iowa, Missouri, Nebraska, and Ohio. However, the lateness of the crop reduced prospects from last month in Minnesota and Wisconsin.

Soybean production is forecast at 2.17 billion bushels, up 3 percent from October 1, 1992, and 9 percent above the 1991 production. The U.S. average yield, at a record high 37.3 bushels per acre, is up 1.0 bushel from last month and 3.1 bushels from last year. Soybean yields were unchanged or up in all States except Minnesota, South Dakota, and Wisconsin.

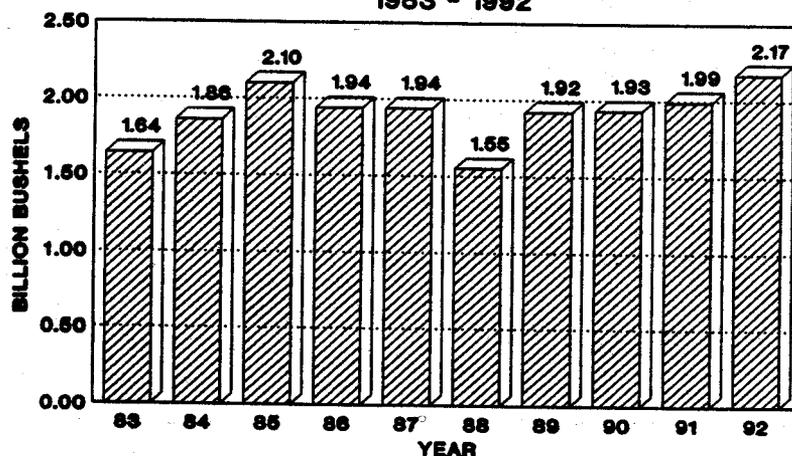
Sorghum for grain production is forecast at 878 million bushels, up 3 percent and 51 percent from last month and 1991, respectively. A record high yield of 71.2 bushels per acre is now expected, up 1.9 bushels from the last forecast. The most dramatic yield changes from last month were in Nebraska and South Dakota. Most of Nebraska's sorghum is located in the southeast and matured ahead of the first killing frost, and growers now expect a record high yield. Conversely, South Dakota's immature crop was hard hit by frosts during October and yield expectations are down considerably.

All **cotton** production for 1992 is forecast at 16.2 million bales, up 2 percent from last month but down 8 percent from 1991. October weather was beneficial to crop development, especially in Texas and Arkansas, while Louisiana output declined. Record yields are expected in Arkansas and California.

U.S. CORN PRODUCTION 1983 - 1992



U.S. SOYBEAN PRODUCTION 1983 - 1992



National Weather Data for Selected Cities

Weather Data for the Week Ending November 14, 1992

STATES AND STATIONS	TEMPERATURE °F							PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Sept 1	PCT. NORMAL SINCE Sept 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE		.50 INCH OR MORE	
																		OR MORE	OR MORE		
AL BIRMINGHAM	62	41	69	31	52	-2	1.0	.2	.5	13.0	155	48.5	102	86	43	0	2	2	1		
MOBILE	66	47	72	37	57	-3	4.8	4.0	3.2	13.4	128	61.6	108	89	53	0	0	2	2		
MONTGOMERY	64	41	73	31	53	-3	1.6	1.0	1.1	10.5	130	53.9	127	91	46	0	2	3	2		
AK ANCHORAGE	31	19	45	2	25	2	.5	.2	.4	5.8	127	13.5	102	95	66	0	7	3	0		
BARROW	18	-1	26	-15	9	8	.1	.0	.0	.8	61	2.4	56	92	81	0	7	2	0		
FAIRBANKS	19	1	33	-16	10	4	T	-1.1	T	2.6	120	11.0	117	91	78	0	7	3	0		
JUNEAU	41	35	47	33	38	5	3.7	2.4	1.2	22.6	135	70.6	154	98	82	0	0	6	3		
KODIAK	40	29	45	24	35	-1	.2	-1.2	.1	7.9	50	48.1	92	84	48	0	6	2	0		
NOME	28	17	32	4	22	4	.8	.6	.6	4.1	105	11.4	85	97	76	0	7	6	1		
AZ PHOENIX	77	51	85	45	64	2	T	-1.1	T	.3	22	11.2	192	49	18	0	0	1	0		
PRESCOTT	61	30	70	23	45	-2	.1	.0	.1	1.2	59	18.6	164	81	23	0	6	1	0		
TUCSON	77	43	84	35	60	1	.0	-1.1	.0	1.0	40	13.0	133	52	18	0	0	0	0		
YUMA	77	54	84	50	66	1	.0	.0	.0	T	2	3.5	173	41	17	0	0	0	0		
AR FORT SMITH	62	42	68	30	52	1	1.9	1.1	.9	9.8	121	39.6	113	98	52	0	1	4	1		
LITTLE ROCK	62	46	68	36	54	1	1.6	.6	1.0	6.2	69	38.4	90	80	52	0	0	4	1		
CA BAKERSFIELD	68	42	79	36	55	-2	.0	-2.2	.0	.9	130	6.6	145	80	35	0	0	0	0		
EUREKA	56	43	60	37	50	-2	.0	-1.4	.0	2.8	44	18.0	62	88	68	0	0	0	0		
FRESNO	67	41	73	37	54	-1	.0	-3.0	.0	2.2	199	11.4	141	92	44	0	0	0	0		
LOS ANGELES	77	54	83	48	66	4	.0	-4.0	.0	.5	48	12.4	131	81	26	0	0	0	0		
REDDING	67	38	72	30	52	-3	.0	-1.2	.0	6.3	115	26.5	86	81	25	0	2	0	0		
SACRAMENTO	65	38	70	31	52	-2	.0	-5.0	.0	1.3	62	11.4	89	89	32	0	1	0	0		
SAN DIEGO	73	54	80	46	63	1	.0	-2.0	.0	.2	19	10.2	141	80	33	0	0	0	0		
SAN FRANCISCO	67	46	71	43	56	1	.0	-5.0	.0	1.1	49	14.5	99	87	36	0	0	0	0		
CO DENVER	53	26	61	22	40	0	T	-2.2	T	.8	30	13.8	98	85	26	0	7	0	0		
GRAND JUNCTION	48	29	55	24	38	-3	.2	.0	.2	2.2	118	8.5	121	87	38	0	6	1	0		
PUEBLO	51	21	65	17	36	-5	.3	.2	.2	1.9	104	11.3	109	95	42	0	7	2	0		
CT BRIDGEPORT	50	37	61	23	44	-3	.4	-5.2	.2	9.6	116	39.3	110	77	48	0	3	3	0		
HARTFORD	49	31	62	19	40	-3	1.0	.1	.5	6.6	72	35.7	94	84	40	0	4	3	0		
DC WASHINGTON	56	38	67	31	47	-3	.6	.0	.6	7.5	103	32.2	94	89	44	0	1	2	1		
FL APALACHICOLA	70	54	79	44	62	0	2.9	2.3	2.7	14.0	109	54.4	109	--	--	0	0	1	0		
DAYTONA BEACH	75	63	83	50	69	3	.1	-6.1	.1	12.1	97	44.1	98	90	62	0	0	1	0		
JACKSONVILLE	71	53	78	38	62	-1	.3	-1.1	.1	16.4	150	61.4	127	97	61	0	0	5	0		
KEY WEST	82	74	85	72	78	3	2.0	1.2	1.7	12.2	95	36.2	100	91	73	0	0	4	1		
MIAMI	84	72	87	68	78	5	2.2	1.5	1.2	12.3	74	45.8	84	95	69	0	0	4	2		
ORLANDO	78	62	85	52	70	2	.1	-4.1	.1	12.4	122	49.5	106	90	58	0	0	1	0		
TALLAHASSEE	70	51	78	37	60	1	1.5	.8	1.2	11.5	106	58.9	101	86	50	0	0	2	1		
TAMPA	77	62	86	49	69	2	.4	.0	.4	7.3	79	33.7	78	88	58	0	0	1	0		
WEST PALM BEACH	82	71	88	64	77	4	4.5	3.6	3.6	15.5	82	52.3	93	92	65	0	0	5	2		
GA ATLANTA	59	41	71	32	50	-3	1.4	.6	1.2	16.5	231	48.8	115	90	54	0	1	2	1		
AUGUSTA	64	41	72	32	53	-2	1.8	1.4	1.8	12.0	190	46.2	120	93	46	0	1	1	1		
MACON	64	42	76	31	53	-4	1.6	1.1	1.3	11.0	178	49.8	127	91	45	0	2	3	1		
SAVANNAH	67	48	73	38	58	-1	1.0	.5	1.0	13.2	162	52.9	115	90	54	0	0	2	1		
HI HILO	82	67	86	64	74	1	2.2	-1.3	.8	25.0	106	81.8	76	93	64	0	0	6	2		
HONOLULU	85	72	87	69	79	2	.1	-7.1	.1	5.1	130	11.9	65	86	53	0	0	1	0		
KAHULUI	84	69	87	64	77	1	.4	-1.1	.2	3.6	173	11.4	80	87	54	0	0	3	0		
LIHUE	80	73	82	69	77	1	.1	-1.2	.1	6.4	68	23.1	65	90	66	0	0	3	0		
ID BOISE	43	31	46	24	37	-4	.2	-1.1	.1	2.0	105	6.2	65	94	64	0	5	3	0		
LEWISTON	49	37	57	31	43	2	.2	-1.1	.1	1.9	83	9.4	86	82	48	0	1	2	0		
POCATELLO	40	26	48	20	33	-3	.2	.0	.2	1.5	73	6.2	66	92	61	0	7	4	0		
IL CHICAGO	45	34	52	20	40	-2	1.1	.6	.6	10.2	147	26.3	86	97	65	0	4	6	1		
MOLINE	46	34	55	25	40	-1	1.0	.6	.4	9.0	124	32.0	94	91	62	0	4	4	0		
PEORIA	47	35	53	23	41	0	1.6	1.2	.6	10.6	150	27.5	86	94	66	0	3	6	1		
QUINCY	48	35	56	23	41	-2	1.9	1.4	.6	6.2	73	23.7	68	95	64	0	3	6	2		
ROCKFORD	43	33	52	23	38	-1	1.3	.8	.5	9.1	118	26.2	78	94	67	0	4	5	1		
SPRINGFIELD	50	37	56	25	43	0	2.3	1.8	1.0	6.8	102	24.8	80	93	65	0	4	6	2		
IN EVANSVILLE	54	39	64	25	47	0	2.4	1.6	1.3	7.2	109	32.9	91	90	55	0	2	5	2		
FORT WAYNE	47	36	58	24	41	0	3.2	2.6	2.4	13.9	220	39.2	128	96	70	0	3	5	1		
INDIANAPOLIS	49	36	60	23	42	-1	2.9	2.2	1.3	11.9	181	40.1	117	94	69	0	3	5	2		
SOUTH BEND	46	37	57	27	41	0	1.9	1.2	1.1	14.7	191	33.4	99	94	64	0	2	7	1		
IA DES MOINES	47	33	57	24	40	0	.2	-2.2	.1	6.9	117	27.7	96	88	51	0	4	5	0		
SIOUX CITY	45	28	57	22	37	-1	T	-2.2	T	7.1	152	28.8	119	97	51	0	6	1	0		
WATERLOO	45	31	56	22	38	1	T	-4.4	T	5.4	83	26.2	85	95	61	0	5	2	0		
KS CONCORDIA	51	36	66	29	43	1	.2	-1.1	.2	8.4	157	38.4	148	89	49	0	2	1	0		
DODGE CITY	56	34	67	27	45	1	.3	-1.1	.2	1.6	47	19.6	100	92	39	0	4	2	0		
GOODLAND	51	26	60	20	39	-1	.1	-1.1	.1	4.8	186	25.1	163	88	44	0	7	1	0		
TOPKA	52	37	60	31	45	1	1.3	.9	.8	7.4	104	30.7	98	93	53	0	3	3	1		
WICHITA	56	41	65	33	49	3	.9	.6	.9	7.0	106	30.2	112	92	57	0	0	2	1		
KY BOWLING GREEN	58	35	68	24	47	-1	.5	-4.5	.5	8.0	103	33.9	80	97	52	0	4	3	0		
LEXINGTON	54	35	65	23	45	-2	.9	-1.1	.4	6.4	92	46.1	115	89	51	0	3	4	0		
LOUISVILLE	54	38	65	26	46	-1	1.5	.7	1.0	7.0	93	36.9	97	92	53	0	2	4	1		
LA BATON ROUGE	69	46	74	36	58	-1	1.7	.8	1.0	7.9	91	62.6	129	97	53	0	0	3	1		
LAKE CHARLES	70	50	74	40	60	-1	1.2	.3	.8	10.3	93	55.9	120	98	58	0	0	3	1		
NEW ORLEANS	68	50	76	42	59	-2	3.0	2.1	1.8	16.0	159	69.9	135	93	58	0	0	3	2		
SHREVEPORT	67	47	72	35	57	1	.6	-3.3	.4	11.6	153	43.2	114	91	50	0	0	3	0		

Based on 1951-80 normals.

Weather Data for the Week Ending November 14, 1992

STATES AND STATIONS	TEMPERATURE °F							PRECIPITATION							RELATIVE HUMIDITY, PERCENT	NUMBER OF DAYS					
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Sept 1	PCT. NORMAL SINCE Sept 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE		MAXIMUM	MINIMUM	TEMP. °F		PRECIP.	
																		90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
ME CARIBOU	38	23	54	11	31	-3	.6	-.1	.4	6.0	74	34.1	108	85	55	0	0	6	3	0	0
PORTLAND	45	28	58	18	37	-3	.6	-.1	.4	7.5	81	33.9	93	86	42	0	0	4	3	0	0
MD BALTIMORE	55	35	70	28	45	-5	.6	-.1	.4	10.6	134	32.8	89	94	47	0	0	4	2	1	0
SALISBURY	58	34	70	26	46	-3	.6	-.1	.4	10.5	116	39.3	98	96	44	0	0	5	2	2	0
MA BOSTON	50	34	64	25	42	-4	.4	-.2	.5	6.5	75	30.7	83	77	44	0	0	3	3	1	0
CHATHAM	45	40	52	31	41	-5	.8	-.2	.8	5.0	53	31.9	81	79	50	0	0	2	3	1	0
MI ALPENA	42	29	49	20	35	-1	1.1	-.4	.4	7.6	123	23.9	93	96	69	0	0	5	5	4	0
DETROIT	46	36	57	26	41	0	1.9	-.4	1.6	10.9	203	34.0	126	90	64	0	0	3	4	1	0
FLINT	46	33	57	24	39	-1	1.5	-.4	1.4	7.6	139	33.4	130	95	65	0	0	3	4	1	0
GRAND RAPIDS	46	35	55	26	40	0	1.5	-.8	.9	12.1	169	37.4	127	97	64	0	0	3	4	7	0
HOUGHTON LAKE	40	31	46	25	35	-1	1.0	-.5	.9	9.4	154	25.7	103	96	77	0	0	6	6	1	0
LANSING	45	33	56	21	39	-1	1.6	-.1	1.3	8.3	142	31.7	122	94	67	0	0	3	6	6	0
MARQUETTE	38	24	53	12	31	-1	.6	-.3	.3	7.4	87	26.6	80	93	71	0	0	6	5	1	0
MUSKEGON	43	36	50	30	40	-1	1.5	-.9	.8	10.5	149	25.3	93	90	61	0	0	2	5	5	0
SAULF ST. MARIE	39	30	47	20	34	0	1.8	-.1	.9	12.4	151	30.7	106	95	75	0	0	4	1	2	0
MN ALEXANDRIA	36	25	47	18	30	-1	.8	-.2	.8	1.8	38	17.2	74	95	72	0	0	7	1	5	0
DULUTH	35	25	43	14	30	-1	.2	-.1	.1	6.1	99	26.7	98	90	60	0	0	6	4	0	0
INT'L FALLS	33	24	42	16	28	1	.2	-.1	.1	3.3	60	21.4	95	93	67	0	0	7	5	0	0
MINNEAPOLIS	40	28	48	20	34	-1	.2	-.3	.3	8.8	179	28.2	114	90	59	0	0	5	2	0	0
ROCHESTER	40	26	52	18	33	-2	.1	-.3	.1	8.6	135	24.2	90	93	61	0	0	6	4	2	0
MS GREENWOOD	67	43	71	33	55	1	.6	-.5	.6	7.4	91	38.8	86	88	42	0	0	0	1	1	0
JACKSON	67	42	72	31	55	-1	1.0	-.2	.8	8.7	116	39.2	88	95	47	0	0	2	2	1	1
MERIDIAN	66	42	71	32	54	-1	2.4	1.6	1.4	10.3	137	56.2	123	94	47	0	0	2	2	2	0
MO CAPE GIRARDEAU	56	39	62	29	48	-1	2.6	1.7	1.3	12.3	159	35.2	91	92	55	0	0	3	4	2	0
COLUMBIA	54	36	61	25	45	0	3.7	3.1	1.9	9.5	117	27.9	83	91	55	0	0	4	4	3	0
KANSAS CITY	50	37	61	29	44	-2	1.1	-.7	.7	9.2	110	43.9	130	92	56	0	0	2	4	4	1
SAINT LOUIS	53	40	60	30	47	1	3.1	2.5	1.5	8.3	134	27.6	91	86	57	0	0	1	3	3	1
SPRINGFIELD	57	43	62	31	50	4	2.9	2.2	2.5	13.1	148	39.6	111	87	54	0	0	1	5	1	0
MT BILLINGS	49	31	60	26	40	1	.1	-.1	.0	1.4	48	11.0	80	79	42	0	0	5	2	0	0
GLASGOW	42	25	47	20	34	3	.1	-.0	.1	1.6	104	8.8	85	91	53	0	0	6	1	0	0
GREAT FALLS	46	29	61	25	37	2	.2	-.1	.2	3.0	143	14.1	102	83	44	0	0	6	2	0	0
HAVRE	44	27	53	21	36	3	.2	-.1	.2	2.4	134	8.6	79	90	58	0	0	6	1	0	0
HELENA	45	30	55	25	37	5	.2	-.1	.2	2.1	120	8.7	82	83	46	0	0	6	2	0	0
KALISPELL	41	30	45	27	36	4	.3	-.0	.3	2.9	110	14.7	109	99	70	0	0	5	3	0	0
MILES CITY	44	31	53	26	38	4	.4	-.3	.3	3.0	131	14.2	107	84	46	0	0	5	3	0	0
MISSOULA	40	30	44	28	35	2	.1	-.1	.1	1.4	63	10.0	87	95	67	0	0	6	3	0	0
NE GRAND ISLAND	47	30	53	22	39	-1	.1	-.2	.2	4.5	115	29.7	135	90	52	0	0	6	1	0	0
LINCOLN	47	32	56	25	40	0	.1	-.2	.2	5.0	99	24.1	93	90	52	0	0	4	2	0	0
NORFOLK	46	28	54	21	37	-1	.1	-.2	.2	6.6	176	27.5	121	93	53	0	0	6	1	0	0
NORTH PLATTE	51	25	58	20	38	1	.0	-.1	.0	1.2	44	22.6	121	89	38	0	0	6	0	0	0
OMAHA	47	33	55	26	40	-1	.1	-.3	.3	8.9	145	33.2	115	85	57	0	0	4	0	0	0
SCOTTSSBLUFF	50	22	60	14	36	-1	.0	-.1	.0	1.3	65	14.2	103	89	29	0	0	7	0	0	0
VALENTINE	50	26	58	16	38	3	.0	-.1	.0	2.0	82	17.8	107	82	36	0	0	6	0	0	0
NV ELY	49	16	63	5	32	-3	.0	-.1	.0	1.6	101	8.7	111	73	23	0	0	7	0	0	0
LAS VEGAS	66	44	73	37	55	0	.0	-.1	.0	1.2	165	8.2	234	49	18	0	0	0	0	0	0
RENO	55	20	64	15	38	-3	.0	-.1	.0	.4	57	3.4	61	70	18	0	0	7	0	0	0
WINNEMUCCA	51	15	62	8	33	-5	.1	-.2	.2	.7	53	2.7	41	81	25	0	0	7	0	0	0
NH CONCORD	46	21	60	10	34	-5	.7	-.2	.5	6.7	85	25.8	82	93	46	0	0	6	3	1	0
NJ ATLANTIC CITY	55	31	69	21	43	-5	.3	-.6	.2	8.7	115	32.3	89	90	40	0	0	5	3	0	0
NM ALBUQUERQUE	56	34	64	27	45	0	.3	-.2	.3	1.9	102	10.2	141	73	32	0	0	4	2	0	0
CLOVIS	63	31	73	27	47	0	.1	-.1	.1	1.3	34	19.4	119	72	22	0	0	5	0	0	0
ROSWELL	70	34	77	27	52	4	.0	-.1	.0	.6	20	12.5	125	62	18	0	0	4	0	0	0
NY ALBANY	47	29	61	21	38	-3	.6	-.1	.2	7.3	97	26.7	86	89	50	0	0	4	4	0	0
BINGHAMTON	45	29	58	17	37	-3	.7	-.0	.5	9.1	118	36.4	113	86	53	0	0	5	4	1	0
BUFFALO	48	32	67	20	40	-2	1.3	-.4	.4	11.6	147	42.1	131	87	54	0	0	4	6	0	0
NEW YORK	50	39	63	31	45	-4	.5	-.4	.3	6.6	79	29.7	80	75	47	0	0	2	2	0	0
ROCHESTER	47	31	64	19	39	-3	.2	-.4	.1	6.4	100	32.0	117	93	58	0	0	4	4	0	0
SYRACUSE	48	29	67	18	39	-3	.4	-.4	.2	9.2	116	39.3	116	89	49	0	0	3	5	0	0
NC ASHEVILLE	55	33	63	26	44	-3	1.1	-.4	1.1	10.8	129	46.5	119	91	42	0	0	5	1	1	1
CHARLOTTE	60	40	69	35	50	-2	1.4	-.7	1.4	17.1	228	47.9	126	82	39	0	0	0	1	1	1
GREENSBORO	57	36	68	27	47	-3	.9	-.3	.9	10.9	138	39.7	106	84	40	0	0	3	1	1	1
HATTERAS	65	50	77	42	58	1	.4	-.7	.3	12.8	100	54.2	111	89	53	0	0	0	3	0	0
NEW BERN	65	41	74	34	53	-3	1.1	-.4	1.1	5.5	53	43.7	91	94	43	0	0	0	2	1	1
RALEIGH	60	36	69	28	48	-3	1.5	-.8	1.5	9.1	125	38.8	105	95	46	0	0	4	4	1	1
WILMINGTON	66	42	75	34	54	-2	2.3	1.6	2.2	8.7	87	57.9	120	91	42	0	0	0	2	1	1
ND BISMARCK	37	26	44	19	31	1	.1	-.0	.0	2.3	97	12.0	83	89	62	0	0	6	3	0	0
FARGO	35	26	45	15	31	0	.2	-.0	.1	4.0	114	19.3	105	93	66	0	0	7	2	0	0
GRAND FORKS	33	24	39	14	29	0	.3	-.1	.3	2.3	65	16.1	93	92	70	0	0	7	2	0	0
WILLISTON	35	22	39	14	28	-2	.5	-.4	.4	1.8	81	11.8	93	92	68	0	0	7	2	0	0
OH AKRON-CANTON	47	34	62	23	41	-1	2.0	1.4	1.3	9.4	149	41.4	131	90	59	0	0	4	4	2	2
CINCINNATI	51	35	62	22	43	-2	1.6	-.8	.9	6.7	98	34.2	97	94	56	0	0	4	4	2	2
CLEVELAND	48	37	63	25	43	-1	2.5	1.8	1.6	10.2	156	42.4	137	87	61	0	0	3	4	2	2
COLUMBUS	51	37	64	27	44	0	1.3	-.7	.6	5.9	102	36.6	112	90	61	0	0	4	5	2	2
DAYTON	49	35	61	24	42	-1	2.5	1.8	1.8	7.2	129	37.3	122	93	60	0	0	4	4	2	2

Based on 1951-80 normals.

Weather Data for the Week Ending November 14, 1992

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS							
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Sept 1	PCT. NORMAL SINCE Sept 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE	MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																			.01 INCH OR MORE	.50 INCH OR MORE	.01 INCH OR MORE	.50 INCH OR MORE
TOLEDO	46	36	58	27	41	0	1.6	1.0	1.2	9.0	164	32.3	117	93	66	0	0	3	3	1	1	
YOUNGSTOWN	48	34	64	24	41	-1	1.3	1.7	.8	9.5	137	37.5	114	90	60	0	0	4	2	2	2	
OK OKLAHOMA CITY	61	43	76	33	52	2	1.6	1.3	.8	5.7	82	33.9	117	93	57	0	0	0	0	0	0	
TULSA	60	44	68	34	52	2	1.9	1.3	1.6	8.5	94	35.7	100	90	55	0	0	0	0	0	0	
OR ASTORIA	53	39	59	32	46	-1	1.2	-1.1	.6	9.9	70	35.7	68	99	70	0	1	1	2	3	4	
BURNS	41	23	47	12	32	-5	1.1	1.2	.0	1.8	97	7.8	97	93	54	0	7	7	3	0	0	
MEDFORD	56	31	63	25	44	-1	1.1	1.6	1.0	3.1	85	10.6	73	99	49	0	5	5	1	0	0	
PENDLETON	46	37	49	32	42	0	1.1	1.2	1.1	2.2	104	7.3	76	89	64	0	1	1	2	4	0	
PORTLAND	53	41	58	35	47	1	1.4	1.8	.2	5.0	73	20.6	74	99	73	0	0	0	0	0	0	
SALEM	51	40	55	32	46	1	1.4	1.9	.2	5.0	67	21.5	72	94	72	0	1	1	4	0	0	
PA ALLENTOWN	51	34	67	23	43	-1	1.7	1.2	.6	7.9	91	33.0	86	82	41	0	3	3	3	1	1	
ERIE	50	37	68	26	43	0	2.0	1.1	.6	14.3	154	38.9	112	87	53	0	3	3	5	1	1	
HARRISBURG	49	36	66	23	43	-2	1.6	-1.1	.5	9.8	126	28.4	83	76	45	0	3	3	2	3	2	
PHILADELPHIA	55	39	71	30	47	0	1.5	1.2	.3	6.1	79	24.3	67	76	38	0	2	4	4	0	0	
PITTSBURGH	50	34	67	26	42	-1	1.8	1.2	.4	6.1	97	32.2	99	91	47	0	0	0	0	0	0	
SCRANTON	50	33	64	19	41	-1	1.7	1.0	.9	6.6	89	25.2	82	85	48	0	0	0	0	0	0	
RI PROVIDENCE	51	33	63	24	42	-3	1.1	1.2	.2	8.9	97	37.8	98	82	44	0	0	0	0	0	0	
SC CHARLESTON	67	48	73	39	57	0	1.6	1.1	1.6	9.7	112	48.5	103	86	51	0	0	0	0	0	0	
COLUMBIA	64	40	72	31	52	-3	1.5	1.0	1.5	11.3	145	45.3	102	94	44	0	1	1	2	1	1	
FLORENCE	65	41	72	33	53	-3	1.2	1.0	1.0	10.8	148	43.3	109	92	44	0	0	0	0	0	0	
GREENVILLE	58	37	67	29	47	-5	1.9	1.2	1.9	14.5	155	51.6	114	90	41	0	0	0	0	0	0	
SD ABERDEEN	38	25	47	16	32	0	1.2	1.0	.1	3.3	121	16.3	97	93	63	0	5	7	4	1	0	
HURON	41	25	53	19	33	-1	1.1	1.1	.1	3.8	124	22.1	125	92	59	0	6	6	1	0	0	
RAPID CITY	48	26	53	17	37	1	1.1	1.1	1.1	1.4	67	12.8	83	85	41	0	0	0	0	0	0	
SIOUX FALLS	41	24	52	18	33	-3	1.2	1.2	.1	6.4	136	31.2	137	94	60	0	7	7	2	1	1	
TN CHATTANOOGA	60	36	67	28	48	-2	1.2	1.3	1.2	12.2	135	47.4	105	92	41	0	0	0	0	0	0	
KNOXVILLE	59	35	69	26	47	-1	1.9	1.1	.9	7.2	98	35.6	88	92	45	0	0	0	0	0	0	
MEMPHIS	65	44	70	33	54	2	1.7	1.1	.7	9.5	123	41.0	93	83	42	0	0	0	0	0	0	
NASHVILLE	61	39	68	29	50	1	1.7	1.1	.7	7.5	98	34.9	84	86	45	0	0	0	0	0	0	
TX ABILENE	71	46	80	30	59	4	1.1	1.3	1.1	3.1	51	24.4	112	88	42	0	0	0	0	0	0	
AMARILLO	62	31	75	23	47	0	1.0	1.0	.0	5.5	16	19.4	106	80	30	0	4	0	0	0	0	
AUSTIN	71	55	79	39	63	4	1.3	1.2	.2	4.8	60	40.5	143	92	52	0	0	0	0	0	0	
BEAUMONT	70	52	75	39	61	0	2.7	1.7	1.6	9.3	85	56.1	117	96	58	0	0	0	0	0	0	
BROWNSVILLE	80	64	86	55	72	4	1.2	1.9	2.9	5.8	61	26.7	114	94	61	0	0	0	0	0	0	
CORPUS CHRISTI	77	63	85	51	70	4	2.3	2.0	2.2	7.7	78	38.4	132	91	58	0	0	0	0	0	0	
DEL RIO	74	55	85	39	65	4	1.0	-1.1	1.0	1.3	24	19.5	119	77	44	0	0	0	0	0	0	
EL PASO	69	39	74	29	54	2	1.0	-1.1	1.0	5.5	23	9.9	139	59	20	0	2	0	0	0	0	
FORT WORTH	68	49	75	37	59	2	1.6	1.1	.3	7.6	102	35.7	126	91	52	0	0	0	0	0	0	
GALVESTON	70	61	76	50	65	1	1.6	1.9	.8	10.4	105	46.7	133	91	67	0	0	0	0	0	0	
HOUSTON	71	53	77	38	62	1	1.9	1.0	.5	4.9	46	45.8	112	95	58	0	0	0	0	0	0	
LUBBOCK	69	39	80	31	54	4	1.1	1.1	1.1	7	17	19.6	116	81	26	0	3	0	0	0	0	
MIDLAND	74	41	81	28	58	4	1.0	-2.2	.0	2	5	20.1	157	84	22	0	2	2	0	0	0	
SAN ANGELO	74	47	83	30	61	5	1.1	-1.1	1.1	1.8	32	19.5	115	91	40	0	1	1	0	0	0	
SAN ANTONIO	72	54	78	39	63	3	1.5	-1.1	1.2	3.0	38	41.8	158	94	53	0	0	0	0	0	0	
VICTORIA	74	56	83	42	65	2	1.2	1.7	.9	6.7	64	47.3	140	96	61	0	0	0	0	0	0	
WACO	70	50	78	34	60	2	1.2	1.3	1.2	4.3	59	31.8	114	93	53	0	0	0	0	0	0	
WICHITA FALLS	70	45	79	30	58	5	1.1	1.3	1.3	1.9	29	22.3	90	91	47	0	1	1	0	0	0	
UT CEDAR CITY	52	24	61	18	38	-3	1.1	1.1	1.1	1.8	87	10.3	112	85	30	0	7	0	0	0	0	
SALT LAKE CITY	46	27	54	22	37	-4	1.1	1.1	1.1	2.8	109	9.8	75	89	38	0	6	0	0	0	0	
VT BURLINGTON	45	25	60	16	35	-3	1.6	-1.1	.3	9.8	135	28.4	95	96	51	0	6	5	0	0	0	
VA NORFOLK	60	41	73	37	51	-2	1.6	-1.1	.5	6.8	76	41.7	103	90	46	0	0	0	0	0	0	
RICHMOND	60	34	72	28	47	-3	1.3	-1.5	.3	5.7	65	37.7	97	91	39	0	4	1	1	0	0	
ROANOKE	55	33	66	24	44	-4	1.0	1.0	1.0	6.3	80	37.0	106	88	40	0	4	1	1	0	0	
WA QUILLAYUTE	51	38	56	29	44	-1	2.9	1.5	1.5	22.5	100	74.7	91	91	79	0	1	4	2	0	0	
SEATTLE-TACOMA	49	41	54	33	45	0	1.1	1.2	.6	6.2	78	25.9	89	98	75	0	0	0	0	0	0	
SPOKANE	40	33	43	26	36	1	1.7	1.3	.4	3.0	112	11.2	87	98	79	0	2	4	1	0	0	
YAKIMA	48	34	53	20	41	2	1.1	1.1	1.1	1.1	93	5.1	86	94	60	0	2	2	0	0	0	
WV BECKLEY	50	34	62	21	42	-1	1.4	1.4	.4	4.2	56	33.3	88	80	42	0	4	2	0	0	0	
CHARLESTON	57	36	71	25	47	0	1.3	1.3	.2	4.2	61	35.3	94	88	36	0	3	3	0	0	0	
HUNTINGTON	57	36	67	24	46	-1	1.7	1.0	.6	3.8	58	33.0	91	89	43	0	4	3	1	0	0	
PARKERSBURG	55	36	67	25	45	-1	1.2	1.7	.7	5.0	78	31.3	93	87	41	0	4	2	2	0	0	
WI GREEN BAY	41	30	51	22	35	0	1.6	1.3	.3	9.1	152	25.4	99	91	56	0	5	4	0	0	0	
LACROSSE	42	30	52	24	36	-1	1.1	1.4	1.4	8.0	130	27.2	97	88	53	0	5	1	0	0	0	
MADISON	42	31	52	24	37	0	1.5	1.3	.3	8.7	143	26.6	94	87	57	0	5	4	0	0	0	
MILWAUKEE	44	34	53	25	39	0	1.3	1.3	.9	9.3	155	29.8	108	88	58	0	3	6	1	0	0	
WAUSAU	39	28	52	19	33	-1	1.2	1.3	.1	11.5	166	29.4	100	95	67	0	5	4	0	0	0	
WY CASPER	48	25	58	18	36	2	1.1	1.1	1.1	1.1	46	8.0	77	76	30	0	5	0	0	0	0	
CHEYENNE	46	24	57	17	35	-1	1.1	1.1	1.1	1.1	56	11.4	90	78	30	0	7	1	0	0	0	
LANDER	48	22	60	13	35	3	1.1	1.1	1.1	1.1	36	11.1	92	75	26	0	7	0	0	0	0	
SHERIDAN	48	28	62	18	38	4	1.2	1.2	1.2	2.1	75	13.2	95	88	47	0	5	2	0	0	0	

Based on 1951-80 normals.

HEATING DEGREE DAYS (Base 65° F) November 8 - 14, 1992

(Cumulative totals and departures from normal are for the period July 1 - November 14, 1992)

STATES AND STATIONS	WEEKLY		CUMULATIVE			STATES AND STATIONS	WEEKLY		CUMULATIVE			STATES AND STATIONS	WEEKLY		CUMULATIVE		
	TOTAL	DEPARTURE	TOTAL	DEPARTURE	DEP. from '91		TOTAL	DEPARTURE	TOTAL	DEPARTURE	DEP. from '91		TOTAL	DEPARTURE	TOTAL	DEPARTURE	DEP. from '91
AL BIRMINGHAM	93	11	301	8	-103	SHREVEPORT	54	-8	177	-8	-151	DAYTON	158	10	817	128	-30
MOBILE	59	14	136	4	-127	ME CARIBOU	239	19	1667	21	127	TOLEDO	166	-1	980	118	51
MONTGOMERY	85	22	199	-3	-111	PORTLAND	196	23	1211	90	155	YOUNGSTOWN	166	5	1089	195	124
AK ANCHORAGE	277	-16	2723	224	318	MD BALTIMORE	137	18	629	117	14	OK OKLAHOMA CITY	90	-13	346	4	-194
BARROW	390	-56	5185	64	122	SALISBURY	133	22	604	123	39	TULSA	89	-10	396	54	-116
FAIRBANKS	383	-27	3488	447	465	MA BOSTON	159	33	856	204	164	OR ASTORIA	131	7	1124	10	41
JUNEAU	188	-32	2162	-66	-32	CHATHAM	152	24	849	86	176	BURNS	232	36	1376	192	215
KODIAK	212	7	2350	88	249	MI ALPENA	206	10	1604	279	224	MEDFORD	149	7	491	-229	73
NOME	299	-27	3738	358	1050	DETROIT	165	0	1002	142	92	PENDLETON	160	-1	784	-63	12
AZ FLAGSTAFF	196	3	1111	-148	173	FLINT	179	8	1156	189	71	PORTLAND	126	-4	603	-173	75
PHOENIX	13	-17	20	-42	-21	GRAND RAPIDS	170	-2	1157	228	56	SALEM	132	-5	651	-224	33
PRESCOTT	135	-3	446	-185	41	HOUGHTON LAKE	206	9	1461	154	114	PA ALLENTOWN	154	9	902	171	121
TUCSON	32	-5	74	-22	-18	LANSING	180	8	1257	309	111	ERIE	152	-7	873	-21	50
WINSLOW	162	20	572	28	29	MARQUETTE	237	8	1979	364	104	HARRISBURG	153	18	788	154	64
YUMA	4	-12	4	-29	-8	MUSKEGON	175	7	1136	203	86	PHILADELPHIA	126	3	591	56	48
AR FORT SMITH	89	-8	317	-11	-181	SAULT ST MARIE	214	3	1842	301	250	PITTSBURGH	158	6	898	105	39
LITTLE ROCK	77	-10	282	-14	-173	MN ALEXANDRIA	242	7	1479	182	-59	SCRANTON	165	9	958	97	41
CA BAKERSFIELD	65	13	88	-49	-38	DULUTH	244	2	1892	272	-1	RI PROVIDENCE	159	21	831	103	142
EUREKA	105	14	895	-385	-153	INT'L FALLS	253	-8	1959	231	13	SC CHARLESTON	58	3	153	-21	-70
FRESNO	78	6	123	-93	-11	MINNEAPOLIS	217	10	1265	205	-116	COLUMBIA	90	21	278	25	-58
LOS ANGELES	4	-25	5	-157	-37	ROCHESTER	222	11	1454	314	-69	FLORENCE	82	18	255	28	-46
REDDING	83	11	144	-71	07	SAINT CLOUD	235	5	1539	241	-19	GREENVILLE	121	31	449	115	18
SACRAMENTO	92	17	139	-78	-3	MS GREENWOOD	66	-9	215	-62	-179	SD ABERDEEN	231	3	1441	252	35
SAN DIEGO	3	-21	3	-81	-26	JACKSON	71	3	201	-21	-150	HURON	222	7	1325	209	-17
SAN FRANCISCO	59	-8	214	-330	-113	MERIDIAN	76	5	200	-55	-138	RAPID CITY	198	-2	1205	111	-53
STOCKTON	80	8	113	-88	-22	MO CAPE GIRARDEAU	121	0	532	72	-120	SIOUX FALLS	225	17	1239	173	-135
CO DENVER	176	0	818	-62	-123	COLUMBIA	141	3	696	119	-135	TN CHATTANOOGA	117	13	430	38	-50
GRAND JCT.	186	22	620	-73	-57	KANSAS CITY	147	6	701	144	-144	KNOXVILLE	125	20	469	60	-76
PUEBLO	203	38	861	119	-11	SAINT LOUIS	128	-3	540	1	-148	MEMPHIS	75	-14	282	-23	-160
CT BRIDGEPORT	149	25	736	171	113	SPRINGFIELD	104	-25	554	33	-167	NASHVILLE	103	-3	403	-3	-153
HARTFORD	175	25	993	209	185	MT BILLINGS	175	-26	1129	12	-103	TX ABILENE	55	-23	169	-64	-247
DE WILMINGTON	135	11	664	115	60	GLASGOW	218	-18	1441	76	-31	AMARILLO	128	0	490	14	-186
DC WASHINGTON	125	22	547	147	54	GREAT FALLS	191	-17	1464	178	43	AUSTIN	32	-13	94	-21	-137
FL PALACHICOLA	34	5	69	-7	-105	HAVRE	205	-30	1523	126	-21	BEAUMONT	35	-3	101	-2	-99
DAYTONA BEACH	10	-5	20	-3	-54	HELENA	192	-34	1397	-70	39	BROWNSVILLE	1	-9	20	3	-68
FORT MYERS	0	-4	0	-6	-20	KALISPELL	203	-28	1620	-61	-51	CORPUS CHRISTI	8	-15	45	-8	-76
JACKSONVILLE	32	2	73	-5	-82	MILES CITY	191	-28	1158	-24	-187	DEL RIO	26	-15	91	-5	-110
KEY WEST	0	0	0	0	00	MISSOULA	211	-13	1414	-58	103	EL PASO	73	-12	210	-37	-56
MIAMI	0	0	0	0	-8	NE GRAND ISLAND	185	5	974	130	-97	FORT WORTH	46	-17	145	-23	-212
ORLANDO	5	-2	10	-1	-43	LINCOLN	175	2	859	93	-161	GALVESTON	16	-13	60	1	-108
TALLAHASSEE	42	-1	114	4	-117	NORFOLK	193	4	1035	109	-158	HOUSTON	33	-8	99	-10	-113
TAMPA	11	-3	18	-3	-41	NORTH PLATTE	189	-9	1074	71	-66	LUBBOCK	77	-29	288	-74	-249
W. PALM BEACH	0	0	0	0	-19	OMAHA	174	8	889	170	-164	MIDLAND-ODESSA	55	-27	194	-55	-243
GA ATLANTA	104	21	289	0	-55	SCOTTSBLUFF	203	9	1057	48	-51	SAN ANGELO	45	-26	164	-34	-224
AUGUSTA	86	15	235	1	-99	VALENTINE	188	-17	1192	145	-89	SAN ANTONIO	33	-8	100	-12	-108
MACON	88	27	227	29	-62	NV ELY	228	21	1207	-110	-4	VICTORIA	22	-10	72	-1	-77
SAVANNAH	54	3	128	-18	-83	LAS VEGAS	70	1	135	-48	02	WACO	44	-10	129	-11	-178
ID BOISE	196	28	858	-22	45	RENO	191	23	643	-382	119	WICHITA FALLS	59	-22	214	-54	-230
LEWISTON	154	-14	783	-94	-13	WINNEMUCCA	220	38	977	-109	196	UT BLANDING	186	11	709	-137	100
POCATELLO	220	22	1070	-70	-57	NH CONCORD	215	35	1315	204	220	CEDAR CITY	190	19	745	-93	-11
IL CHICAGO	176	13	993	238	-19	NJ ATLANTIC CITY	154	30	749	190	75	SALT LAKE CITY	196	31	707	-76	-6
MOLINE	175	7	958	198	-66	NM ALBUQUERQUE	138	2	433	-71	-32	VT BURLINGTON	209	26	1297	144	165
PEORIA	165	2	841	108	-149	CLOVIS	122	-2	431	-54	-213	VA LYNCHBURG	137	20	552	45	-14
QUINCY	163	13	822	172	-117	ROSWELL	90	-12	269	-67	-205	NORFOLK	100	18	348	43	-24
ROCKFORD	186	7	1091	214	-19	NY ALBANY	184	18	1146	213	181	RICHMOND	125	22	518	82	23
SPRINGFIELD	150	2	696	69	-197	BINGHAMTON	194	18	1358	302	281	ROANOKE	147	30	617	93	46
IN EVANSVILLE	128	0	532	-3	-190	BUFFALO	173	13	1080	182	119	WA COLVILLE	208	-3	1291	-37	80
FORT WAYNE	163	2	912	121	-27	NEW YORK	140	27	602	112	103	QUILLAYUTE	145	1	1249	-119	14
INDIANAPOLIS	157	7	755	83	-39	ROCHESTER	182	24	1165	284	147	SEATTLE-TACOMA	139	2	757	-235	44
SOUTH BEND	165	5	938	147	-13	SYRACUSE	182	25	1138	247	169	SPOKANE	200	-3	1162	-53	66
IA DES MOINES	175	5	915	164	-164	NC ASHEVILLE	145	23	609	38	-34	YAKIMA	166	-14	956	-76	37
DUBUQUE	205	15	1221	265	-2	CAPE HATTERAS	51	-4	163	-15	-15	WV BECKLEY	158	9	---	---	---
SIOUX CITY	195	10	1069	225	-148	CHARLOTTE	101	10	337	-5	-30	CHARLESTON	125	-3	636	43	-62
WATERLOO	187	-7	1112	117	-152	GREENSBORO	126	20	516	86	20	HUNTINGTON	130	4	609	18	-73
KS CONCORDIA	149	-7	779	153	-104	NEW BERN	83	12	255	1	-17	PARKERSBURG	137	6	712	108	-71
DODGE CITY	142	-4	676	115	-119	RALEIGH-DURHAM	115	19	429	56	-17	WI GREEN BAY	205	4	1318	176	-21
GOODLAND	183	5	913	72	12	WILMINGTON	76	17	235	30	-44	LA CROSSE	201	9	1152	184	-123
TOPEKA	140	-3	682	75	-130	ND BISMARCK	235	-4	1581	218	-41	MADISON	196	2	1176	117	-73
WICHITA	112	-21	521	22	-217	FARGO	240	0	1528	207	-36	MILWAUKEE	181	1	1052	111	15
KY BOWLING GREEN	125	4	529	33	-117	GRAND FORKS	254	2	1638	155	-56	WAUSAU	221	6	1504	256	-45
LEXINGTON	142	11	622	53	-91	WILLISTON	255	8	1628	189	17	WY CASPER	200	-15	1082	-160	-141
LOUISVILLE	129	8	497	-12	-98	OH AKRON-CANTON	167	12	1020	217	93	CHEYENNE	208	4	1229	1	-33
LA BATON ROUGE	50	6	121	-4	-135	CLEVELAND	156	6	925	141	67	LANDER	206	-23	1120	-177	-135
LAKE CHARLES	40	-1	106	-13	-126	COLUMBUS	147	-2	795	78	-36	SHERIDAN	188	-30	1278	-27	-34
NEW ORLEANS	41	4	95	-1	-136	CINCINNATI	152	12	750	119	07						

Based on 1951-80 normals.

National Agricultural Summary

November 9 - 15, 1992

HIGHLIGHTS: Continued wet weather caused more delays for crop harvest. The week was wet in the eastern half of the Nation, while light, scattered showers fell across the Great Plains to the Pacific Coast. Temperatures averaged above normal from the lower Great Plains through the Rockies and into the upper Pacific Coast.

SMALL GRAINS: Emergence of the 1993 winter wheat crop in the 19 major producing States was 86 percent (%) complete. This was 4 percentage points better than last year's pace but behind the 5-year average of 89%. As temperatures averaged near normal and soil moisture supplies were adequate, the crop was in fair to good condition.

CORN: Corn harvest advanced slowly, but continued to be delayed in the major producing areas by rain and wet snows. High grain moisture content slowed harvest in some States. Harvest was 59% complete in the 17 major producing States, compared with 97% last year and 95% average. No progress was made in Michigan and very little was made in Illinois, Kansas, Kentucky, Missouri, or Wisconsin.

SOYBEANS: Soybean harvest neared completion with 91% of the acreage harvested in the 19 major States. This progress was 3 points behind last year and the 5-year average. Harvest was nearly complete in the Corn Belt and Mississippi Valley but behind the 5-year average in the Southeast.

COTTON: Cotton harvest was 67% complete nationally, 1% behind the 5-year average of 68%. Texas and the Western States were ahead of their average pace. Due to continued rainfall during harvest, the Delta and Southeast regions lagged behind normal.

SORGHUM: Sorghum harvest made modest progress in the major producing areas. However, good progress was made in Colorado, Nebraska, New Mexico, and Oklahoma. Harvest was slow in the north-central Plains and eastern Corn Belt due to wet weather. Harvest in the 12 major producing States was 76% complete, compared to 95% last year and 92% average.

OTHER FIELD CROPS: Other crops were being harvested across the country. Sugar beet harvest in the Midwest was active and virtually complete in most areas. Sugarcane planting and harvest was active in Louisiana and Florida. In Louisiana, sugar recovery dropped due to mud and trash from wet fields.

Sunflower harvest in Minnesota was 94% complete, compared to 99% a year ago at this time. Fall potato harvest was nearly complete in Washington except for a few wet fields. Peanut harvest continued in Oklahoma and Texas. Some damage in the Hill Country of Texas occurred as a result of cold temperatures on wet peanuts.

FRUIT AND NUTS: Grapefruit, oranges, lemons, and tangerine harvest in Arizona, California, and Florida progressed on schedule. Activity was most prevalent in west and central Arizona and southern California. Florida citrus groves were reported in good to excellent condition. Late-season variety apples in Arizona and California were being harvested and reported to have good color. Catkins were setting on hazelnut trees, and walnut harvest was winding down in Oregon. Pistachio harvest was active in eastern Arizona. In Texas, pecan harvest continued as weather permitted. In the High Plains, shuckworm damage was reported.

VEGETABLES: Temperature and rainfall varied over much of Florida's producing areas. Temperatures ranged from 2 degrees below to 5 degrees above normal, with rainfall up to 4 inches in some parts. Condition of the vegetable crops was fair to good. Broccoli and celery shipments in the Salinas-Watsonville areas were fairly heavy and reported in good quality. Fresno County tomato, broccoli, cabbage, and lettuce harvests were nearly complete. In the Rio Grande Valley, onions were progressing favorably. Melon harvest continued in Texas and parts of Arizona. East Texas sweetpotato harvest was delayed by rains.

PASTURES AND LIVESTOCK: Pastures in California showed some improvement from light rainfalls, but more is needed. Conditions remain fair to very poor. Snow covered pastures in the upper Rockies and Great Plains forcing ranchers to move cattle to winter quarters. Pastures elsewhere in the Nation remain in fair to good condition. Livestock was also reported in good condition. Supplemental feeding was active in California and parts of Texas. Feed supplies were generally adequate.

Crop Progress

for the Week Ending November 15, 1992

CORN
(Percent Harvested)

	Current	Last Wk	1991	Avg.
CO	76	63	86	85
GA	100	98	100	100
IL	70	65	100	99
IN	53	45	100	89
IA	60	45	94	98
KS	90	85	100	98
KY	91	87	98	95
MI	15	15	96	85
MN	55	39	99	99
MO	73	70	96	98
NE	57	46	100	98
NC	96	95	98	96
OH	37	30	100	81
PA	45	38	84	66
SD	37	31	100	98
TX	100	100	100	100
WI	36	24	89	89
17 States	59	50	97	95

These 17 States produced 94% of the 1991 corn crop.

GRAIN SORGHUM
(Percent Harvested)

	Current	Last Wk	1991	Avg.
AR	100	100	99	100
CO	63	37	89	82
IL	85	84	100	97
KS	55	45	98	90
LA	100	100	100	100
MS	100	100	100	100
MO	84	81	93	97
NE	75	59	100	99
NM	80	64	23	NA
OK	81	64	82	70
SD	82	76	100	97
TX	92	90	92	91
12 States	76	68	95	NA
Excl. States with NA	76	68	96	92

These 12 States produced 98% of the 1991 grain sorghum crop.

COTTON
(Percent Harvested)

	Current	Last Wk	1991	Avg.
AL	71	66	96	93
AZ	93	86	82	77
AR	86	81	96	95
CA	97	95	95	90
GA	57	54	83	86
LA	98	97	97	98
MS	92	89	96	95
MO	80	74	95	96
NM	55	31	50	39
NC	49	34	82	78
OK	45	28	27	33
SC	67	46	83	86
TN	79	70	91	92
TX	46	41	45	43
14 States	67	62	70	68

These 14 States produced 99% of the 1991 cotton crop.

WINTER WHEAT
(Percent Emerged)

	Current	Last Wk	1991	Avg.
AR	70	60	72	69
CA	10	5	5	13
CO	99	97	97	98
GA	19	14	16	18
ID	93	90	78	91
IL	95	89	100	96
IN	91	80	99	86
KS	95	90	75	95
MI	80	75	99	95
MO	78	66	79	88
MT	98	90	90	94
NE	100	100	100	100
NC	51	32	45	44
OH	90	80	100	85
OK	77	64	79	88
OR	98	86	78	77
SD	100	100	100	100
TX	69	64	83	86
WA	98	97	89	92
19 States	86	79	82	89

These 19 States produced 92% of the 1991 winter wheat crop.

SOYBEANS
(Percent Harvested)

	Current	Last Wk	1991	Avg.
AL	65	58	81	78
AR	87	78	82	84
GA	56	42	79	76
IL	97	96	100	100
IN	97	93	100	97
IA	100	100	100	100
KS	90	90	99	90
KY	77	69	90	85
LA	93	86	92	94
MI	75	70	100	90
MN	99	98	99	99
MS	81	75	84	84
MO	92	88	91	95
NE	100	100	100	100
NC	38	21	49	45
OH	98	95	100	100
SC	29	18	46	41
SD	99	99	100	100
TN	65	58	81	85
19 States	91	88	94	94

These 19 States produced 95% of the 1991 soybean crop.

Crop Condition
(Percent)

for the Week Ending Nov. 15, 1992

WINTER WHEAT

State	VP	P	F	G	EX
AR	0	0	6	74	20
CA	0	0	5	90	5
CO	3	6	25	51	15
GA	0	0	11	89	0
ID	0	5	12	75	8
IL	0	2	11	68	19
IN	0	4	32	60	4
KS	2	3	12	46	37
MI	2	8	35	45	10
MO	0	2	35	62	1
MT	0	1	23	57	19
NE	0	0	37	57	6
NC	0	0	21	76	3
OH	1	4	27	55	13
OK	0	13	69	18	0
OR	0	0	6	77	17
SD	1	6	24	55	14
TX	7	30	44	15	4
WA	0	0	61	39	0
19 State	2	8	32	43	15
Prev Week	1	8	34	42	15
Prev Year	3	14	42	37	4

VP - Very Poor P - Poor F - Fair
G - Good EX - Excellent

State Summaries of Weather and Agriculture

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

ALABAMA: Rainfall 0.66 to 1.45 in. north; 1.01 to 1.90 in. central; 0.90 to 4.82 in. south. Temperatures 6° below normal to 1° above normal north; 3° below normal to 1° above normal central; 4° below normal to at normal south. Lows 25 to 33° north; 26 to 35° central; 30 to 38° south. Highs 64 to 71° north; 68 to 73° central; 70 to 80° south.

Days suitable for fieldwork 3.0. Soil moisture 24% adequate, 76% surplus. Sorghum 96% harvested, 95% 1991, 96% avg. Winter wheat 62% seeded, 55% 1991, 62% avg. Pasture 7% poor, 37% fair, 48% good, 8% excellent. Livestock 18% fair, 70% good, 12% excellent. Primary activities: Harvesting vegetables, hay, sorghum, cotton, pecans; plowing fields for small grain seeding; planting small grains, marketing cattle; repairing machinery; general care of livestock, poultry, catfish.

ARIZONA: Sunny, pleasant. Thunderstorms 10th, central, north snow higher elevations. Showers 11th, northeast. Temperatures 5° below normal to 2° above normal. Extremes 12°; 75°, higher elevations; 24°; 85° deserts.

Cotton harvested 93%, 82% 1991, 77% avg.; stalk shredding, plowdown moderate to active statewide. Alfalfa good; harvest, light all areas except active south central. Small grains planted 10%, 12% 1992, 6% avg.; field preparation active. Broccoli harvested west. Lemons, grapefruits harvested, west, central. Cantaloupes, honeydews, green onions, sweet corn, rapini, cabbage, mixed greens, navel oranges harvested, central. Apples, pistachios, chili peppers, tomatoes harvested east. Squash harvested, central, east. Lettuce harvested west, central, east.

ARKANSAS: Temperatures near normal, scattered showers, first of week, heaviest northwest. Extremes 26°; 72°. Rainfall 0.36 to 3.03 in.

Days suitable for fieldwork 4. Soil moisture supplies 6% short, 56% adequate, 38% surplus. Main farming activities: Wheat seedbed preparation, harvesting soybeans, cotton, planting wheat, oats, fall forage planting, marketing calves, working cattle. Wheat planted 82%, 82% 1991, 83% avg. Cotton harvest slowed by rainfall. Cotton gins running full time. As of 5th, the cotton classing office reported 1,076,568 bales of Arkansas cotton had been classed. Rice, sorghum harvests completed. Livestock good. Pastures mostly fair. Pastures supplying average forage for herds.

CALIFORNIA: High pressure early week. Temperatures fairly mild days, cool at night. Lows north portion State near freezing. Frost sheltered areas. No major precipitation.

Good progress field activities, open weather. Rice harvest essentially complete. Stubble burned as regulations allowed. Cotton harvest winding down; shredding, discing for pink bollworm control followed. Ground preparation 1993 crop underway. Grain corn, silage corn, grain sorghum, sugarbeets, sunflowers harvested. Bird damage evident new sugarbeets. Some fields sprayed worm control. Ground preparation fall-seeded small grains, forage crops increased. Seeding wheat, barley, oats, new alfalfa gained momentum. Small grains good germination, emergence. Herbicide applications some fields.

Pruning, orchard floor work active. Late season variety apples, table grapes, kiwifruit, persimmons picked San Joaquin Valley. Avocados harvest active southern areas. Date packing active Coachella Valley. Navel orange harvest gained momentum San Joaquin Valley. Grapefruit, lemons, tangerines picked southern California. Merced area strawberry harvesting continued. Broccoli, celery shipments Salinas-Watsonville area fairly heavy, good quality. Cauliflower shipments Salinas area moderate quantity, variable quality. Santa Maria area reported fairly light cauliflower conveyance; moderate celery movements. Quality both crops satisfactory. Leaf, Romaine lettuce shipments Salinas area moderate, variable quality. Head lettuce movement light Santa Maria, seasonally declining Huron. Winter vegetable crop harvests northern counties near completion. Merced area fresh market tomato harvest completed. Fresno County tomato, broccoli, cabbage, lettuce harvests neared completion. Other vegetable crops harvested: Sweetpotatoes, sweet corn, green onions, squash, chili peppers, eggplant. Range, pasture fair to very poor. Forage improving, more rain needed. Moisture enhanced germination, warm weather aided growth. Supplemental feeding active, water supplies light. Sheep grazed alfalfa. Cattle good.

COLORADO: Winter storm early moved across the southern part of State with rain, snow on the 10th, 11th. Precipitation generally less than 0.66 in. Temperatures mostly 1° above normal to 7° below normal.

Days suitable for fieldwork 4.8. Soil moisture 6% very short, 44% short, 49% adequate, 1% surplus. Sorghum harvested 63%, 89% 1991, 82% avg. Corn harvested 76%, 86% 1991, 85% avg. Winter Wheat emerged 99%, 97% 1991, 98% avg.; 66% of winter wheat good to excellent. Livestock mostly good. Pasture, range feed fair.

FLORIDA: Temperatures 1 to 3° below normal north, 2 to 4° above normal center, 3 to 6° above normal south. Highs; 70s north, mid 80s central, 80s south. Lows; 30s north, 40s central, 50s south, low 60s southeast. Rainfall above normal Panhandle, south, below normal center, northeast. Rainfall 1.00 to 3.00 in. Panhandle, less than 0.50 in. northeast, western Peninsula, 1.00 to 4.00 in. east central, southeast coasts.

Soil moisture adequate to surplus Panhandle; short to adequate north, central Peninsula; adequate to surplus southern Peninsula. Cotton, soybean harvest active. Sugarcane harvest, planting active. Citrus groves, trees very good to excellent. Moisture varies from surplus on east Coast to short on west Coast. Good early fruit color. New growth slowing. Caretakers cutting cover crops, spot spraying, placing heaters, banking young trees. Temperatures 2 below to 5° above normal over major vegetable producing areas. Rainfall 2.00 to 4.00 in. southeast, east coast, scattered showers elsewhere. Condition of crops fair to good. Volume leaders: Tomatoes, cucumbers, peppers, squash, corn. Also available: Snap beans, cherry tomatoes, celery, escarole, specialty lettuce, radishes. Celery, strawberry harvests begun. State's pastures poor to excellent. Pasture 5% poor, 30% fair, 55% good, 10% excellent. Moisture levels mostly adequate. State's cattle herds mostly good.

GEORGIA: Cool, temperatures 2 to 5° below normal. Extreme lows in low to middle 20s north, around freezing central, low 40s extreme southeast. Highs reached middle to upper 60s north to middle 70s elsewhere. Rain recorded on 2 to 4 days. Rainfall between 1.00 to 3.00 in. north and generally under 1.00 in. central, south.

Days suitable for fieldwork 4. Soil moisture 8% short, 50% adequate, 42% surplus. Corn 100% harvested for grain, 100% 1991, 100% avg. Cotton 13% fair, 83% good, 4% excellent; 97% bolls open, 99% 1991, 99% avg.; 57% harvested, 83% 1991, 86% avg. Sorghum 12% fair, 88% good; 86% harvested for grain, 93% 1991, 95% avg. Soybeans 15% fair, 76% good, 9% excellent; 56% harvested, 79% 1991, 76% avg. Wheat 11% fair, 89% good; 25% planted, 23% 1991, 31% avg.; 19% emerged, 16% 1991, 18% avg. Rye 81% planted, 74% 1991, 78% avg. Other small grains 15% fair, 84% good, 1% excellent; 67% planted, 52% 1991, 56% avg. Other vegetables 13% poor, 39% fair, 48% good. Apples 98% harvested, 98% 1991, 100% avg. Pecans 24% very poor, 24% poor, 43% fair, 9% good; 43% harvested, 63% 1991, 49% avg. Pasture 8% poor, 33% fair, 59% good. Cattle 11% fair, 89% good. Hogs 16% fair, 84% good.

HAWAII: Sunny weather with passing showers, locally gusty trade winds over most of the State. Showers fell mainly windward areas, higher elevations. Temperatures mid 60s to mid 80s. Rainfall none to 3.50 in.

Days suitable for fieldwork 7.0. Beneficial weather allowed most crops to make favorable progress. Farming activities were on schedule. Irrigation remained active to ensure adequate development. Cooler seasonal crops made favorable progress. Banana, papaya shipments were active with shipments continuing at high levels. Sweet corn production light to moderate.

IDAHO: Temperatures 1 to 10° below normal throughout State. Precipitation fell throughout State.

Soil moisture varied across State. Adequate amount north, southwest; short amount southeast, south central. Activities: Harvesting of sugarbeets, corn, repairing farm machinery. Winter wheat mostly good. Hay, roughage supplies adequate. Livestock activities: Marketing cattle, weaning, shipping calves, moving cattle to winter pastures. Livestock good.

ILLINOIS: Temperatures 2 to 3° below normal. Highs low 40s to low 50s. Lows 30 to 40°. Precipitation above normal with ranges 1.00 to 5.00 in. across State.

Days suitable for fieldwork 1.75. Soil moisture 2% short, 40% adequate, 58% surplus. Crop harvesting continues. Corn remains two to three weeks behind schedule. Corn harvest has fallen behind the average due to heavy rains, snow. Pasture 89% of normal.

INDIANA: Temperatures 0 to 5° below normal. Highs mid 40s to low 50s. Lows, low to mid 30s. Precipitation 1.00 to 3.00 in. with some places getting more.

Days suitable for fieldwork 2.0. Topsoil 12% adequate, 88% surplus. Subsoil 2% short, 40% adequate, 58% surplus. Pasture 85%, 84% last week. Tobacco processed 33%. Corn moisture content 23%, last week 24%. Hay supplies 11% short, 84% adequate, 5% surplus. Rain halted harvest once again.

IOWA: Temperatures 0 to 2° below normal. Extremes 17°; 58°. Precipitation trace to 1.48 in.; average 0.22 in. Moderate rain southeast third; light rain or snow elsewhere.

Days suitable for fieldwork 5.0. Topsoil 58% adequate, 42% surplus. Subsoil 1% short, 79% adequate, 20% surplus. Fall tillage completed for next year's row crop acreage 18%, 32% 1991, 52% avg. Row crop acreage fall fertilized 15%, 24% 1991, 41% avg. Corn harvest slow due to wet condition, high moisture content. Corn average moisture content 23% in field, 21% at harvest. Corn lodging 12% none, 78% light, 10% moderate. Corn ear droppage 14% none, 83% light, 3% moderate. Cool, wet conditions causing respiratory problems livestock.

KANSAS: Temperatures 2° below to 2° above normal over State. Precipitation received all districts. Rainfall 0.17 to 2.12 in.

Days suitable for fieldwork 2.5. Surface moisture 12% short, 53% adequate, 35% surplus. Subsurface moisture 14% short, 77% adequate, 9% surplus. Harvest progress behind normal for corn, sorghum because of late maturity, unfavorable weather. Wheat planting virtually complete. Wet weather slowed fall harvest the past week. Pastures for State are still good. Stockmen moving cattle off pastures. Cattle grazing corn, sorghum stubble, wheat pasture. Supplemental feeding becoming common.

KENTUCKY: High temperatures 30s to 60s, lows 20s to 50s. Mean high temperature 53°, 3° below normal, mean low temperature 37°, 1° above normal. Heavy rain midweek provided above normal rainfall. Rainfall 0.50 to 2.00 in., largest amounts west, northeast.

Days suitable for fieldwork 2.6. Soil moisture 1% very short, 6% short, 80% adequate, 13% surplus. Wet conditions slowed corn, soybean harvest, advanced tobacco stripping. Burley tobacco 38% stripped, 48% 1991, 40% avg. Stripped tobacco fair to good. Winter wheat 87% seeded, 95% 1991, 87% avg. Wheat mostly good. Pastures mostly good.

LOUISIANA: Temperatures 3.0° below to 0.1° above normal. Extremes 30°; 77°. Rainfall 0.71 in. west central to 2.49 in. southeast.

Days suitable for fieldwork 2.8. Soil moisture 34% adequate, 66% surplus. Pecans 60% very poor, 26% poor, 11% fair, 3% good; 61% harvested, 50% 1991, 50% avg. Soybeans 100% shedding leaves, 99% 1991, 100% avg. Green bean syndrome affecting some fields. Wheat 49% planted, 71% 1991, 71% avg.; 41% emerged, 56% 1991, 53% avg. Planting slow, wet fields. Sugarcane 39% fair, 61% good; 100% planted, 100% 1991, 100% avg.; 47% harvested, 59% 1991, 54% avg. Sugar recovery dropped due to mud, trash caused by wet fields. Sweetpotatoes 90% harvested, 96% 1991, 95% avg. Livestock 2% poor, 30% fair, 61% good, 7% excellent. Marketing of spring born calves. Pastures 1% very poor, 9% poor, 8% fair, 81% good, 1% excellent. Vegetables 17% poor, 54% fair, 29% good. Crawfish pond flooding continued.

MARYLAND & DELAWARE: MARYLAND: Precipitation 0.64 in. Temperature 46.1°, normal 47.1°. Extremes 17°; 72°.

Days suitable for fieldwork 4.4. Topsoil 70% adequate, 30% surplus. Subsoil 5% short, 75% adequate, 20% surplus. Corn good; grain harvested: 77%, 95% 1991, 94% avg. Soybeans fair to good; 60% harvested, 84% 1991, 74% avg. Sorghum good; 56% harvested, 100% 1991. Pastures, cattle, mostly excellent. Alfalfa fifth cutting 70%, other hay fourth cutting 91%, supplies mostly adequate. Small grain seeding: Wheat 77% complete, barley 95%, rye 86%, oats 98%; all emerging well, good.

DELAWARE: Precipitation 0.48 in. Temperature 42.2°, normal 48.3°. Extremes 24°; 72°.

Days suitable for fieldwork 4.3. Topsoil 86% adequate, 14% surplus. Subsoil 100% adequate. Soybeans good; 69% harvested, 84% 1991, 73% avg. Corn mostly good; grain harvested: 93%, 100% 1991, 99% avg. Sorghum good; 70% harvested, 97% 1991. Hay making virtually complete; supplies adequate. Pastures mostly excellent. Small grain seeding: Wheat 77% complete, barley 95%, rye 81%; seedlings emerging well.

MICHIGAN: Temperatures 2° below normal to 8° above normal. Extremes 23°; 50°. Precipitation none to 1.91 in.

Days suitable for fieldwork 2.0. Soil moisture 15% adequate, 85% surplus. Corn silage 95% harvested, 100% 1991, 100% avg. Sugarbeets 99% harvested, 100% 1991, 97% avg. Pasture 75% of normal. Major activities: Waiting for drier weather, repair work, preparing for harvest.

MINNESOTA: Temperatures 1 to 3° below normal. Extremes 3°; 54°. Precipitation 0.01 to 0.28 in., 0.31 in. below normal to 0.07 in. above normal. Greatest weekly total 0.65 in.

Days suitable for fieldwork 2.7. Topsoil 1% very short, 8% short, 46% adequate, 45% surplus. Subsoil 3% very short, 15% short, 60% adequate, 22% surplus. Corn 55% harvested, 99% 1991, 99% avg.; 26% moisture content 16% 1991, 17% avg.; 23% stubble plowed, 83% 1991, 92% avg. Soybeans 64% stubble plowed, 88% 1991, 91% avg. Sunflowers 94% harvested, 99% 1991, 99% avg.

MISSISSIPPI: Temperature 54°, 1.2° below normal. Extremes 25°; 76°. Rainfall was near normal across State with the exception of the southeast, coastal regions which received well above normal rainfall. Rainfall 1.38 in., 0.43 above normal. Soil temperature 55°.

Days suitable for fieldwork 2.4, 6.0 1991, 4.5 avg. Soil moisture 36% adequate, 45% surplus, 19% excessive. Cotton 92% harvested, 96% 1991, 95% avg.; 4% very poor, 12% poor, 44% fair, 40% good. Soybeans 81% harvested, 84% 1991, 84% avg.; 1% poor, 15% fair, 75% good, 9% excellent. Sweetpotatoes harvested 95%, 100% 1991, 96% avg.; 55% fair, 20% good, 25% excellent. Wheat planted 78%, 74% 1991, 76% avg.; 68% emerged, 58% 1991, 53% avg.; 23% fair, 73% good, 4% excellent. Pecans 34% harvested, 51% 1991, 37% avg.; 47% very poor, 44% poor, 9% fair. Livestock 5% fair, 86% good, 9% excellent. Pasture 91% of normal. Activities: Planting wheat, harvesting cotton, soybeans, shop work.

MISSOURI: Temperatures near normal. Rainfall 2.54 in.; varied from about 1.00 in. northwestern, north central, to around 3.00 in. through central, southern districts.

Days suitable for fieldwork 1.3. Topsoil 38% adequate, 62% surplus. Wet weather, muddy fields hindering harvest in all areas. A few days of dry weather needed before harvest can resume. Corn harvest by district, northwest 56%, north central 59%, northeast 68%, central districts mid to upper 80s, southern districts virtually complete. Soybean harvest least advanced southwestern district 55%, followed by west central 84%, all others 90% or above. Sorghum harvest least advanced north central, northeast 61%, other districts nearly 75% or higher, southeast complete. Wet weather delaying completion of winter wheat seeding, helping germination, growth of new crop. Pasture 1% very poor, 5% poor, 40% fair, 52% good, 2% excellent.

MONTANA: Temperatures 3 to 7° above normal while precipitation was near normal.

Days suitable for fieldwork 3.1. Topsoil 40% short, 58% adequate, 2% surplus. Subsoil 53% short, 47% adequate. Pasture, range feed conditions 81%. Movement of cattle, calves from summer ranges 91%, sheep, lambs 87%.

NEBRASKA: Temperatures near normal. Trace amounts of precipitation northeast, southeast.

Days suitable for fieldwork 5.4. Topsoil 11% short, 75% adequate, 14% surplus. Subsoil 4% short, 90% adequate, 6% surplus. Winter wheat 37% fair, 57% good, 6% excellent. Corn harvest 4.5 weeks behind normal; 57% harvested, 100% 1991, 98% avg. Sorghum harvest 3.5 weeks behind normal; 75% harvested, 100% 1991, 99% avg. Harvest delays due to weather conditions, high grain moisture content. Pasture, range condition 96% of normal. Cattle moved to stalks as available. Some supplemental hay feeding.

NEVADA: Cold front moved through north, central areas first of period bringing rain, snow showers, precipitation mostly light. The front brought windy conditions to south. High pressure built over State later clearing skies, bringing colder conditions. Temperatures generally at or below normal, then moderated to slightly above normal by weekend.

Preparations for winter continue. Main farm/ranch activities general maintenance, caring for livestock.

NEW ENGLAND: Precipitation 0.55 to 0.93 in. New Hampshire, 0.26 to 1.90 in. elsewhere. Temperatures low 30s to low 40s. Maximum temperatures low 50s to low 60s, minimum temperatures single digits to high teens north, low teens to mid 20s south.

Major farm activities: Finishing harvest of corn silage, late apple varieties, planting winter rye for cover crop.

NEW JERSEY: Temperatures below normal, 40° north, 43° south, 45° coastal. Extremes 16°; 72°. Precipitation above normal, north, below normal, south, coast; 1.23 in. north, 0.54 in. south, 0.39 in. coastal. Heaviest 24-hour total 1.83 in. on 12th, 13th.

Fall variety apple harvest progressed. Harvesting sweet potatoes. Harvesting corn for grain, soybeans. Cranberry harvest completed. Planting cover crops.

NEW MEXICO: Temperatures a couple of degrees below normal in the north, generally very close to normal in the south. Extremes 8°; 81°. Some precipitation, mainly snow, fell over the north first half of the week. Higher amounts included 1.10 in. at Chama, 0.83 in. at Taos.

Days suitable for fieldwork 6.9. Soil moisture 81% short, 19% adequate. Crop conditions: Alfalfa harvest is complete. Cotton 33% fair, 67% good. Irrigated sorghum 18% fair, 82% good. Dryland sorghum 10% poor, 20% fair, 70% good. Irrigated wheat 24% fair, 76% good. Dryland wheat 10% very poor, 20% poor, 40% fair, 30% good. Chile 30% fair, 70% good; red harvest progressing. Lettuce in good shape, harvest declining. Pecans 14% poor, 14% fair, 72% good. Cattle, sheep fair to good. Range, pasture 75% of normal.

NEW YORK: Early week was dry, lows in teens, 20s. Light rain fell midweek as warm front moved through, temperatures seasonable. Light rainfall on 12th, very mild. Highs in 50s, 60s. Powerful cold front came through 13th, highs 5 to 20° lower, rain changed to snow in west. Locally heavy snow on 14th Lake Erie region. Extremes 8°; 65°.

Corn harvest progressed as weather permitted. Orchard clean-up continued. Wineries processing grapes. Coldness made livestock care more difficult. Hunting season underway.

NORTH CAROLINA: Temperatures 4° below normal to 1° above normal. Precipitation 4.25 in. at Cherry Point to 0.12 in. at Maple Springs.

Days suitable for fieldwork 3.9. Soil moisture 1% short, 62% adequate, 37% surplus. Crop condition: Pasture 3% poor, 24% fair, 72% good, 1% excellent. Cotton 2% very poor, 5% poor, 57% fair, 36% good. Peanuts 5% poor, 47% fair, 48% good. Soybeans 1% poor, 41% fair, 58% good. Winter wheat 21% fair, 76% good, 3% excellent. Oats 21% fair, 79% good. Barley 17% fair, 83% good. Rye 2% poor, 21% fair, 77%. Wheat 51% emerged, 45% 1991, 44% avg. Sorghum for grain harvested 80%, 88% 1991, 86% avg. Cotton harvested 49%, 82% 1991, 78% avg. Peanuts threshed 95%, 99% 1991, 97% avg. Soybeans harvested 38%, 49% 1991, 45% avg. Sweetpotatoes harvested 98%, 97% 1991, 98% avg. Winter wheat planted 60%, 62% 1991, 60% avg. Oats planted 76%, 82% 1991, 81% avg. Barley planted 80%, 92% 1991, 86% avg. Rye planted 75%, 83% 1991, 75% avg. Hay, roughage supplies 89% adequate, 11% surplus. Feed Grain supplies 1% short, 93% adequate, 6% surplus. Major activities: Seeding small grains; harvesting soybeans, cotton. Other activities: Digging, threshing peanuts; preparing land; completing corn harvest; planting winter cover crops; tending livestock; equipment repair; general farm maintenance.

NORTH DAKOTA: Temperatures 1° below normal in the central to 1° above normal northwest, southern districts. Extremes 7° north central; 47° south central. Precipitation 0.09 in. south central, southeast to 0.42 in. northeast.

Soil moisture mostly short to adequate. Corn, sunflower harvest progressing slowly. Reports optimistic for complete harvest before spring. Snowcover on pastures moved cattle to winter quarters.

OHIO: It was a wet week for State with rain or snow measured somewhere in the State every day. Cloudy, damp weather produced poor drying conditions. Precipitation 1.00 to 3.00 in. Across the State with the heaviest rain occurring 12th, 13th. Some areas garnered over 1.00 in. rain 24 hours. Some snow fell in northern, central State as the colder air arrived. Temperatures near normal, included warmer than normal weather as well as sharply colder weather over the weekend. Highs reached into the 60s 12th, only managed the 30s 14th, 15th. Highs mid 40s to low 50s. Lows mostly in the mid 30s.

Days suitable for fieldwork 2.4. Topsoil 35% adequate, 65% surplus. Moisture content of corn 25.5%. Moisture content of soybeans 14.1%. Corn for grain harvest is now over 4 weeks behind normal. A hard freeze would assist farmers in getting in the fields to harvest.

OKLAHOMA: Temperatures 1° below normal Panhandle to 2° above normal northeast, south central. Precipitation 0.25 in. Panhandle to 2.69 in northeast.

Days suitable for fieldwork 4.8. Topsoil 45% short, 49% adequate, 6% surplus. Subsoil 35% short, 65% adequate. Wheat 13% poor, 69% fair, 18% good; 77% emerged, 79% 1991, 88% avg.; 7% grazed, 10% 1991, 20% avg. Cotton 25% fair, 75% good; 86% open bolls, 88% 1991, 95% avg.; 45% harvested, 27% 1991, 33% avg. Sorghum 81% harvested, 82% 1991, 70% avg. Soybeans 69% harvested, 79% 1991, 64% avg. Peanuts 89%

harvested, 85% 1991, 86% avg. Pastures 96%. Cattle good; marketings average, prices mixed.

OREGON: Below normal temperatures statewide; 1 to 3° western areas, 1 to 4° eastern areas. Northwest, west central areas 0.50 to 1.00 in. precipitation, elsewhere less than 0.40 in.

Soil moisture mostly short to adequate. Winter wheat 100% planted, 98% emerged; 17% excellent, 77% good, 6% fair. Wheat looks good, Columbia Basin. Sugarbeet harvest winding down, Malheur County; shipping continues in Klamath County. Catkins setting on hazelnut trees, walnut harvest complete, Willamette Valley. Fruit orchard winter activities, liming underway, Hood River Valley. Cranberry harvest complete; southern coast. Cole crops, carrot harvests continue, Willamette Valley. Livestock good. Western pastures continue improvement. Rains, snows have improved eastern pastures, ranges, continue supplemental feeding. Fall weanings, shipments continue. Range, pasture condition 70% of normal.

PENNSYLVANIA: Slightly below normal temperatures, above normal rainfall. Temperature 43°, 1° below normal. Extremes 13°; 71°. Precipitation 0.94 in., 0.21 in. above normal.

Days suitable for fieldwork 4. Soil moisture 71% adequate, 29% surplus. Ensilage corn harvested 97% complete, 100% 1991. Soybean harvest 65% complete, 81% 1991; 5% very poor, 7% poor, 18% fair, 50% good, 20% excellent. Potato harvest 99% complete, 100% 1991. Fall plowing 90% complete, 93% 1991. Wheat planted 100% complete, 99% 1991. Third cutting alfalfa 100% complete, 100% 1991. Fourth cutting alfalfa 89% complete, 91% 1991. Quality of hay made 44% poor, 44% fair, 12% good. Feed from pastures 19% very poor, 15% poor, 44% fair; 22% good. Apple harvest 99% complete, 100% 1991. Grapes harvest 100% complete, 100% 1991. Activities: Hauling manure; maintaining machinery; cutting, baling hay; making corn silage; harvesting soybeans, grain corn, fruit; fall plowing; planting wheat; fixing fence; caring for livestock.

PUERTO RICO: Island rainfall 0.79 in. was 0.63 in. below normal. Highest rainfall 3.84 in. at Pico Del Este Luquillo, 2.18 in. at Pio Blanco lower, 1.47 in. at Arecibo 3 ESE. Island temperatures 77 to 80° on the Coasts, 72 to 75° in the Interior with mean station temperature 64.6° at Pico Del Este to 82.5° at Guayama. Extremes 55°; 92°.

SOUTH CAROLINA: Temperatures below normal Midlands, upstate to near normal coast. Rainfall 1.70 in. statewide.

Days suitable for fieldwork 4.0. Soil moisture 15% short, 73% adequate, 12% surplus. Cotton fair; 67% harvested, 83% 1991, 86% avg. Soybeans fair to good; 94% shedding leaves, 94% 1991, 94% avg.; 88% mature, 90% 1991, 91% avg.; 29% harvested, 46% 1991, 41% avg. Pasture fair to good; 97% harvested, 84% 1991, 80% good. Oats fair to good; 74% planted, 65% 1991, 67% avg.; 55% emerged, 50% 1991, 49% avg. Rye fair to good; 78% planted, 64% 1991, 66% avg.; 66% emerged, 54% 1991, 52% avg. Winter grazing fair to good; 71% planted, 69% 1991, 67% avg.; 64% emerged, 53% 1991, 52% avg. Wheat fair to good; 27% planted, 23% 1991, 33% avg.; 17% emerged, 14% 1991, 19% avg. Several more days of rain improved soil moisture, slowed fieldwork.

SOUTH DAKOTA: Temperatures near normal. Extremes -1°; 65°. Light precipitation fell over the State with amounts generally less than a tenth of an inch.

Days suitable for fieldwork 2.3. Topsoil 4% very short, 21% short, 58% adequate, 17% surplus. Subsoil 15% very short, 25% short, 50% adequate, 10% surplus. Corn 1% very poor, 6% poor, 24% fair, 55% good, 14% excellent. Winter rye 3% poor, 28% fair, 66% good, 3% excellent. Sunflowers harvest 86% completed, 100% 1991, 100% avg. Wet, muddy field conditions combined with high moisture corn has slowed the corn harvest considerably in most areas. Livestock 6% fair, 77% good, 17% excellent. Pasture 78% of normal.

TENNESSEE: Temperatures near normal in west, around 5° below normal in east. Most places received 0.30 to 1.00 in. of rain, which was below normal for all areas.

Days suitable for fieldwork 3.5. Soil moisture, 76% adequate, 24% surplus. Corn 93% grain harvested, 93% 1991, 96% avg. Cotton 79% harvested, 91% 1991, 92% avg. Soybeans 98% mature, 97% 1991, 98% avg. Wheat 76% seeded, 82% 1991, 85% avg. Burley tobacco 62% stripped, 58% 1991, 63% avg. Cattle 9% fair, 83% good, 8% excellent. Pasture 1% poor, 19% fair, 67% good, 13% excellent. Farm activities: Harvesting corn, cotton, soybeans; stripping, grading tobacco; fall seedings.

TEXAS: After showery midweek, dry, stable air built across State. Far South again exception. Rest State mild afternoons, chilly nights, mostly clear skies. Lower Rio Grande Valley under influence moist tropical flow. Rain common late, weekend southern tip State. Cold nights common, clear skies allowed cooling after dark. Low nighttime temperatures offset by rapid daytime warming, seasonable afternoons. Temperature near normal. Greatest departure -3° off Caprock Rolling Plains. Rainfall behind normal west, north despite widespread rains. South, Lower Rio Grande Valley 0.50 to 1.00 in. above normal.

Crops: Cotton harvest High Plains underway, helped warm days, cool nights. Low Plains, some fields damaged scattered hail as front passed through. Cross Timbers, Blacklands, harvest slowed by rains. Bolls Trans-Pecos opening rapidly with warm temperatures. Grain sorghum harvest Plains good progress, some delays by inclement weather. All available facilities utilized for storage. Small grain planting resumed, most stands should improve. Irrigation practices active fields High Plains. Several fields Blacklands replanted. Peanut harvest continued across State. Hill Country, some damage when damp weather didn't allow dug peanuts to dry before freezing temperatures arrived. Condition statewide 82% normal, 79% 1991; 75% harvested, 67% 1991, 68% avg. Soybean harvest continued. Along Upper Coast some disease damage evident.

Commercial Vegetables: Rio Grande Valley, onions progressing favorably. Melon harvest continued. Some citrus harvest active. East Texas, sweetpotato harvest delayed by rains. Trans-Pecos, weed control necessary fields along Rio Grande. Pecan harvest continued, intermittent delays from weather. High Plains, shuckworm damage evident some pecans. Trans-Pecos some nuts froze in shuck, dropped from trees.

Range and Livestock: Showers aided range, pasture conditions, however, stock tank levels remained below normal. Livestock conditions remained good. Supplemental feeding necessity most areas. Movement calves market increased.

UTAH: Temperature maximums 6° less than normal, minimums 3° less than normal. Light precipitation in all areas of the State except Dixie where none was recorded.

Fall rains have improved range conditions in some areas. Sheep producers indicate a bad year for predator losses. Major farm

activities: Some movement of livestock, fall tillage, building fences, packing onions.

VIRGINIA: Below normal temperatures first half of week, above normal second half. Precipitation was near normal. Extremes 15°; 74°.

Days suitable for fieldwork 4.1. Topsoil 10% short, 68% adequate, 22% surplus. Pasture 8% poor, 31% fair, 59% good, 2% excellent. Corn harvested for grain 90%, 97% 1991, 94% avg. Soybeans harvested 53%, 65% 1991, 61% avg. Apple harvest complete. cotton harvest 24%, 78% 1991, 78% avg. Oats seeded 95%, 97% 1991, 96% avg. Barley seeded 90%, 98% 1991, 94% avg. Winter wheat seeded 60%, 75% 1991, 74% avg. Winter grains, grazing crops 5% poor, 47% fair, 45% good, 3% excellent. Forage from pastures, grazing crops dairy cattle 17%, beef cattle 78%, sheep 74%. Livestock 16% fair, 79% good, 5% excellent. Stripping, grading burley tobacco. Some plowing.

WASHINGTON: Temperatures normal to 3° above normal west; 3° below to 9° above normal east. Rainfall 0.72 to 1.81 in. west; 0.03 to 1.34 in. east.

Days suitable for fieldwork 2.2. Soil moisture 47% short, 52% adequate, 1% surplus. Hay, other roughage 7% short, 75% adequate, 18% surplus. Range, pasture 15% very poor, 57% poor, 20% fair, 8% good. Winter wheat emerged 98%, 89% 1991, 92% avg.; 61% fair, 39% good. Potatoes 99% harvested, 94% 1991, 99% avg. Corn grain harvested 83%, 51% 1991, 65% avg.; 100% good. Precipitation received statewide. Soggy fields stop field operations west; other areas soil moisture dry enough to hold equipment. Potato, corn harvest nearly complete, except a few central fields. General orchard clean-up continues; limited winter pruning. Carrot digging, raspberry caning, pruning continued west. Christmas trees harvested, u-cut operations gearing up for after Thanksgiving rush. Sheep breeding season winding down central areas. Livestock producers providing supplemental feed.

WEST VIRGINIA: Temperature 43°. Extremes 17°; 72°. Precipitation 0.78 in.

Days suitable for fieldwork 3.4. Soil moisture, 4% very short, 25% short, 58% adequate, 13% surplus. Corn, 77% harvested. Pastures, 4% very poor, 9% poor, 48% fair, 35% good, 4% excellent; 80% of normal. Cattle, good. Sheep, good. Soybeans, 83% harvested. Wheat, 89% sown. Farm activities: General maintenance; chopping silage; harvesting corn, soybeans; sowing wheat; stripping tobacco.

WISCONSIN: Temperature 33°; 2° below normal. Extremes 5°; 58°. Precipitation 0.10 to 1.00.

Days suitable for fieldwork 2.7. Soil moisture 58% adequate, 42% surplus. Corn for grain 36% harvested, 89% 1991, 89% avg. Moisture content is still high. There have been reports in most all districts of mold in the unharvested corn; both the stalks, the ears. Soybeans 89% harvested, 97% 1991, 98% avg. Intended fall tillage 39% complete, 53% 1991, 63% avg. Winter wheat condition 1% poor, 10% fair, 68% good, 21% excellent.

WYOMING: Cool, dry weather. Temperatures 1 to 5° below normal, except the northeast where temperatures were 1 to 4° above normal. Precipitation was well below normal in much of the State. However, areas in the northwest had above normal precipitation.

1993 Winter wheat fair to good, additional moisture needed. Corn for grain harvest continuing. Livestock movement to markets, supplemental feeding continuing.

International Weather and Crop Summary HIGHLIGHTS

November 8 - 14, 1992

FSU: Moderate to heavy snow blanketed dormant winter grains in the north. Rain covered winter grains in or entering dormancy in the south.

EUROPE: Widespread rain slowed fieldwork but maintained favorable moisture for winter crop establishment. Beneficial moisture reached the southeast.

SOUTH ASIA: A cyclone hit southern India and Sri Lanka, causing flooding and damage to rice and other crops.

EASTERN ASIA: Dry weather aided late-summer crop harvesting.

SOUTHEAST ASIA: Heavy rains covered Malaysia and eastern Philippines.

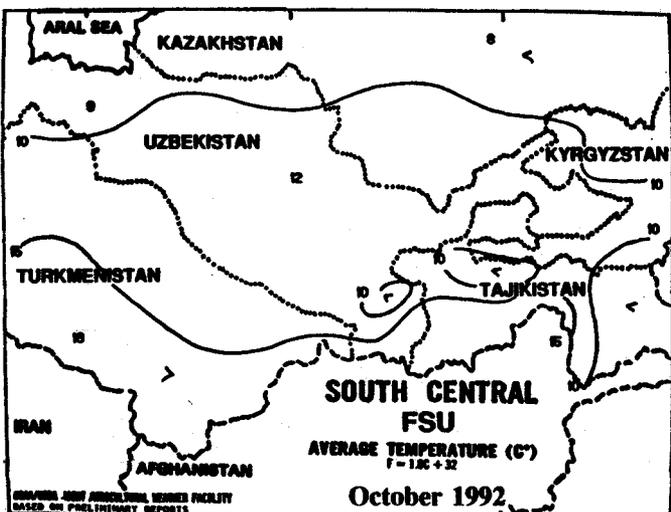
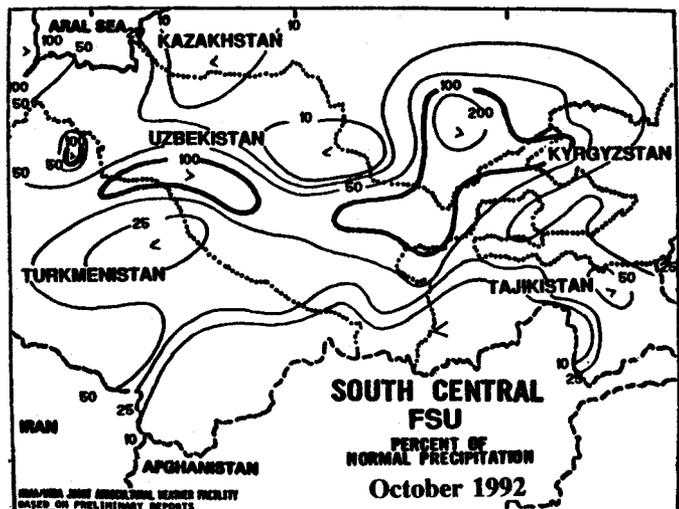
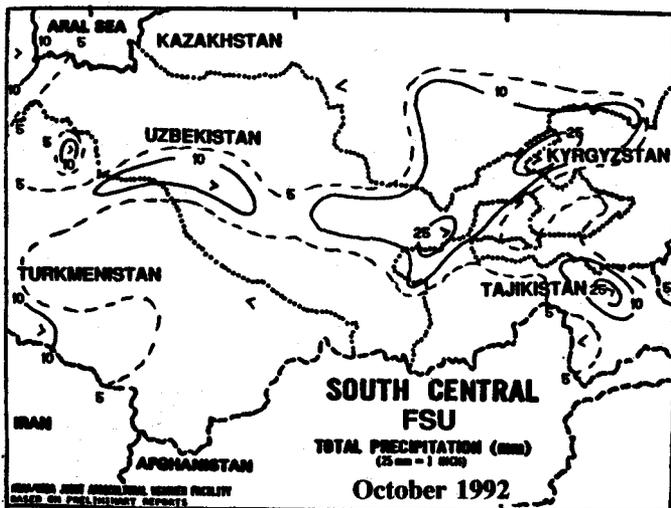
AUSTRALIA: Wheat harvesting began across the northern crop areas, while rain benefited filling wheat in the south.

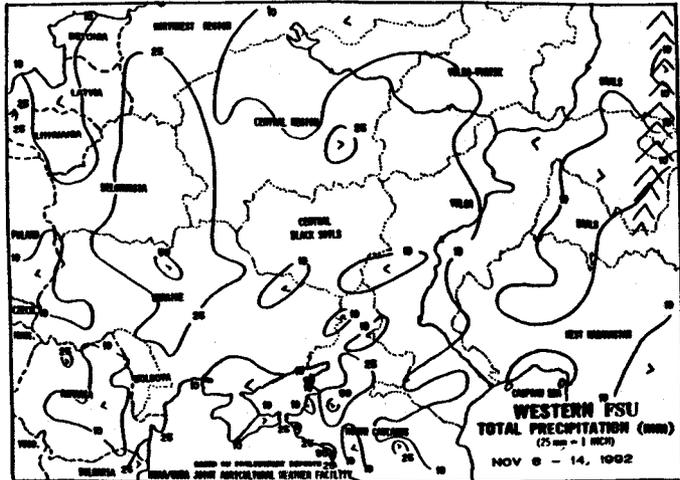
SOUTH AMERICA: Beneficial rain aided wheat and summer crops in Argentina. Drier weather favored fieldwork across most of southern Brazil.

MEXICO: Rains caused some corn harvesting delays across east-central Mexico, but drier weather favored fieldwork elsewhere in the main corn belt.

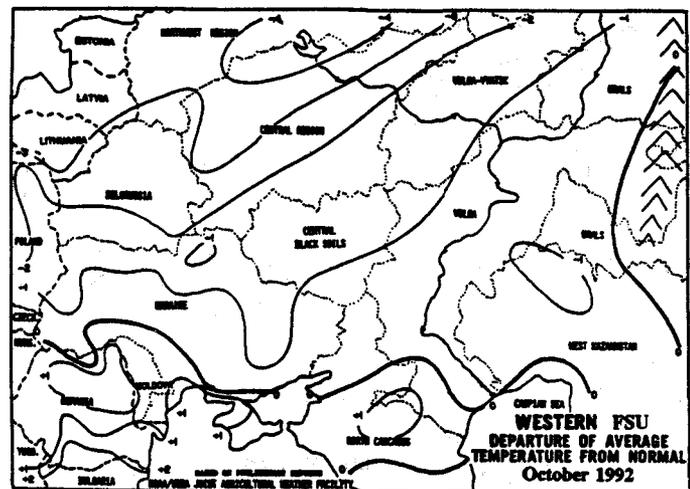
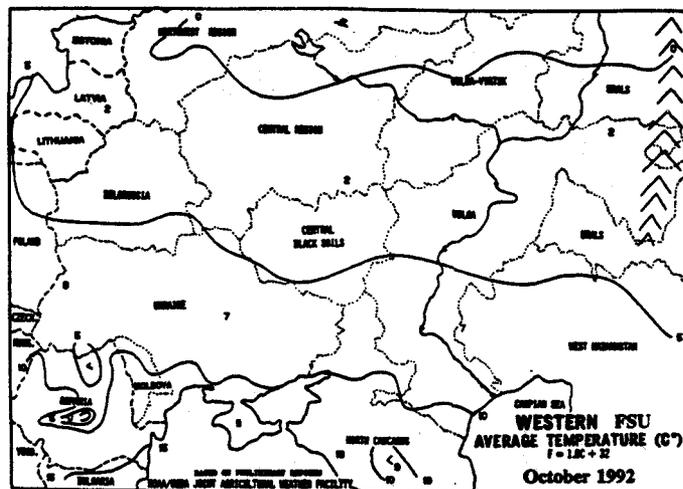
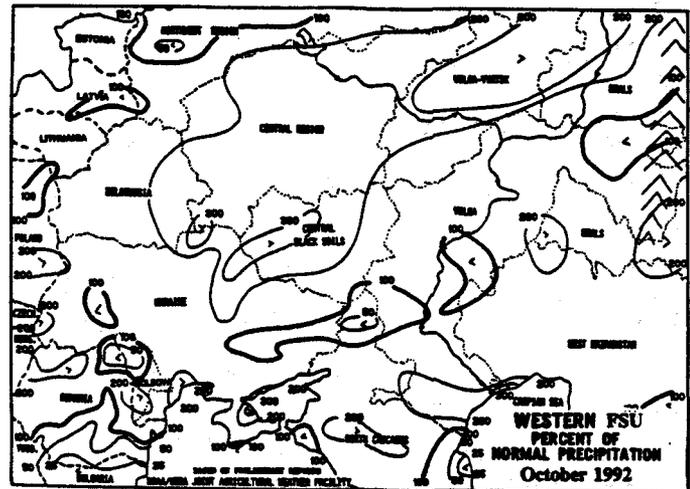
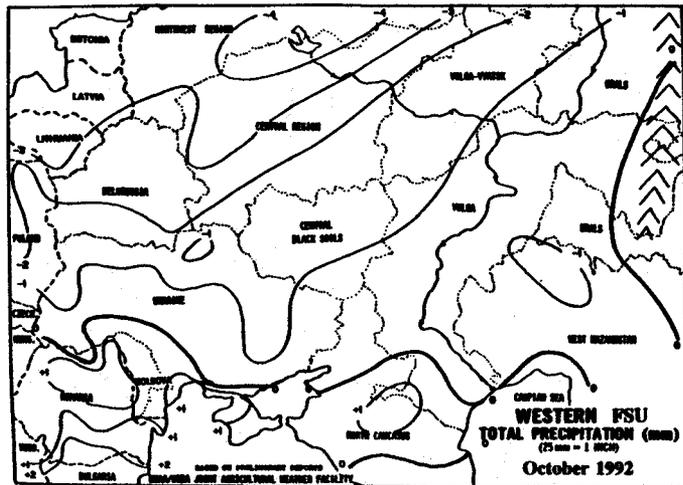
NORTHWESTERN AFRICA: Little, if any, precipitation covered winter grain areas in Morocco, Algeria, and Tunisia.

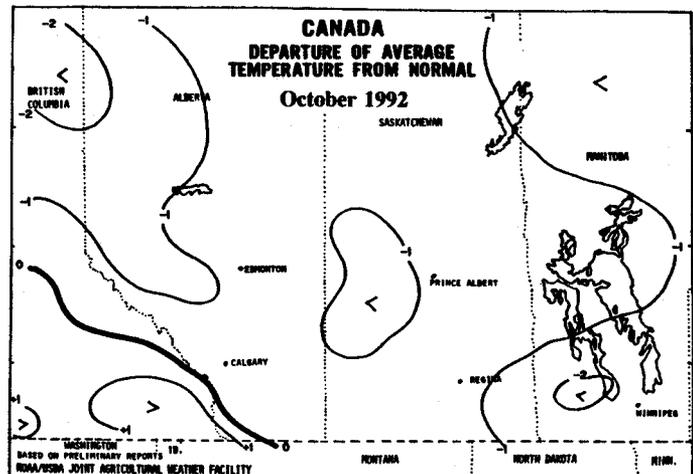
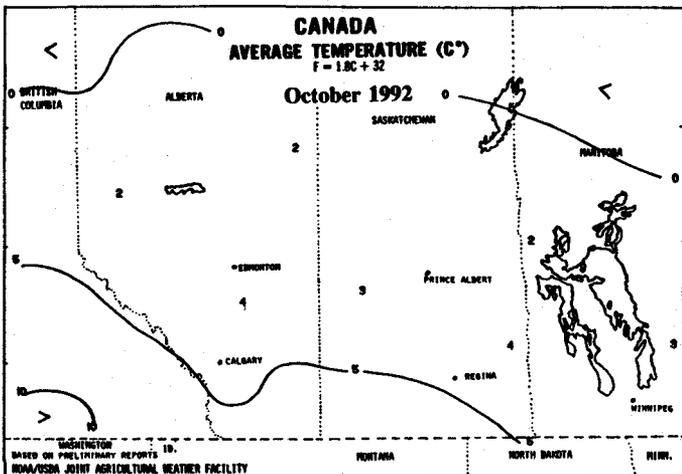
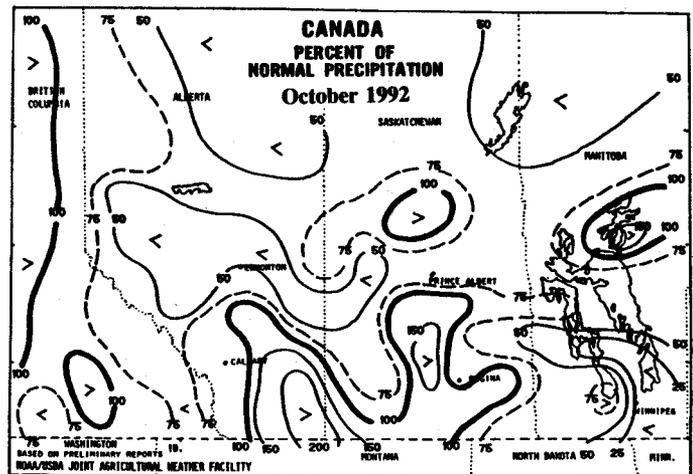
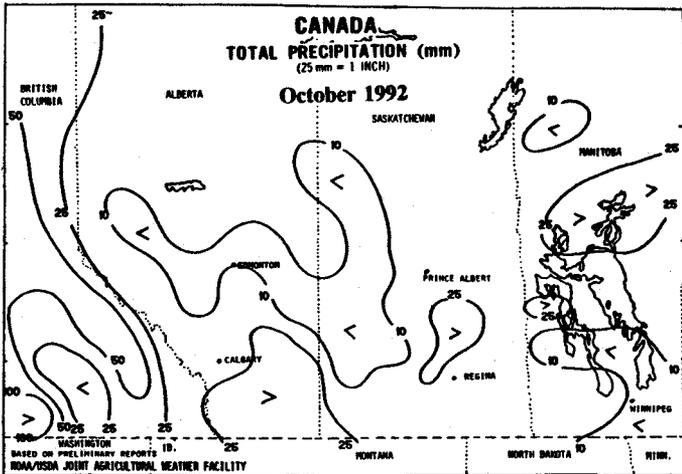
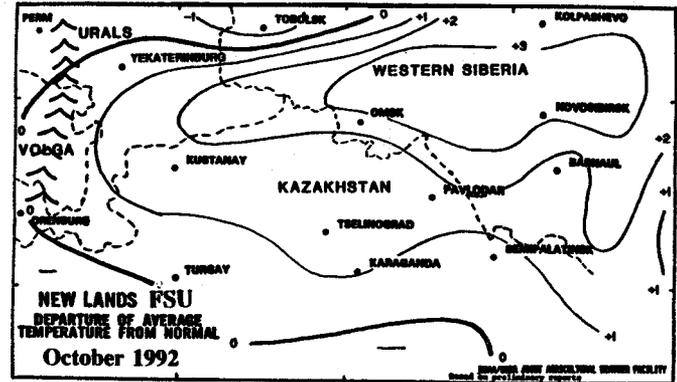
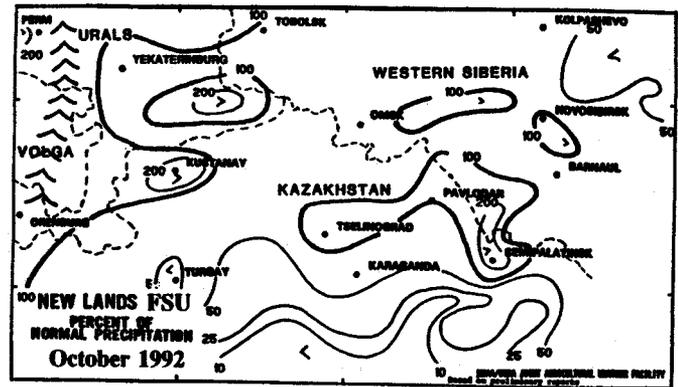
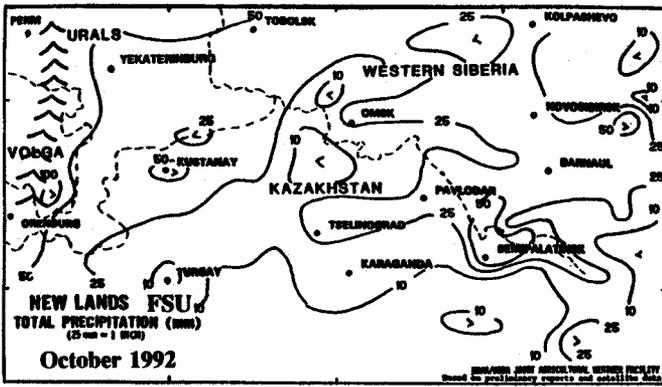
SOUTH AFRICA: Soaking rains improved planting conditions across the region.



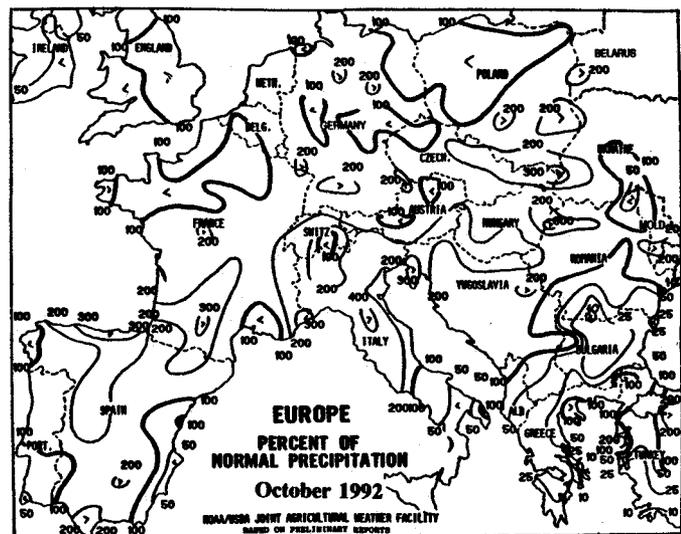
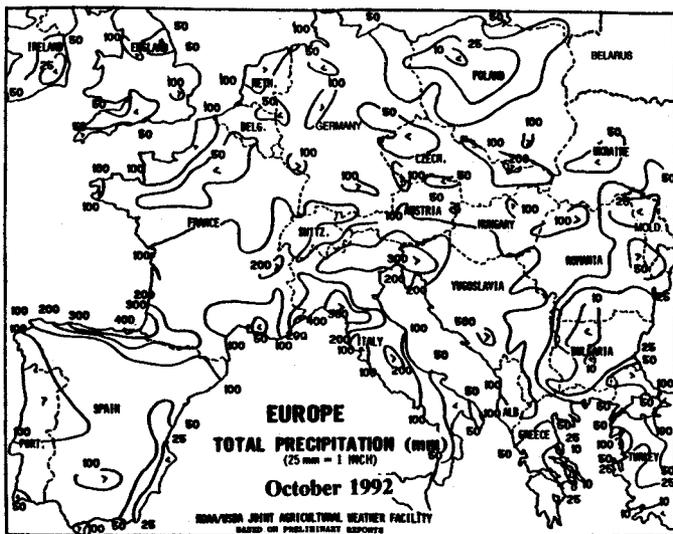
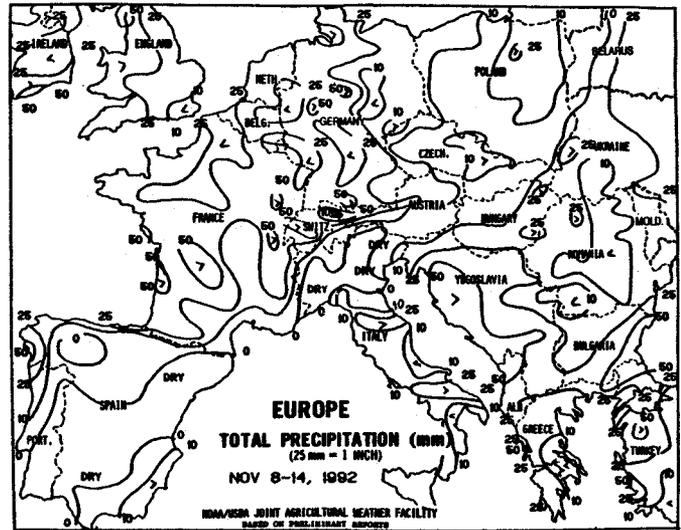


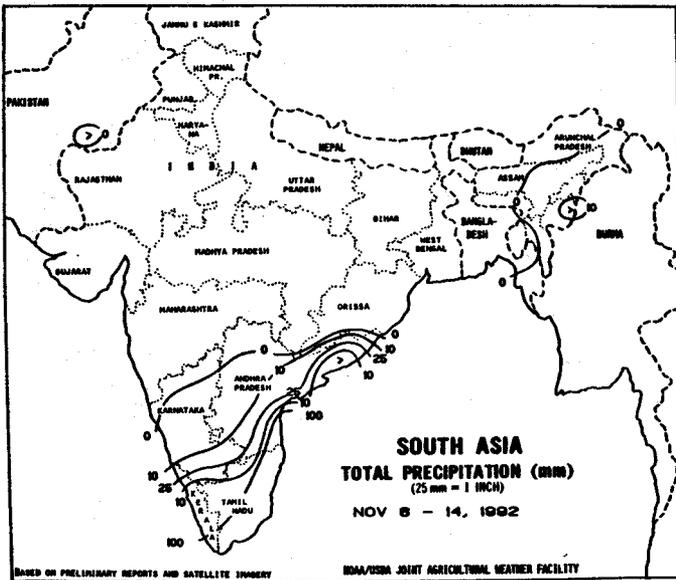
FSU-WESTERN: Winter grains were in or entering dormancy as far south as the extreme southern Ukraine and the northern tip of North Caucasus. Widespread, light to moderate precipitation covered most crop areas. Moderate to heavy snow (10-47 mm liquid equivalent) blanketed winter grains in Northwest Region, Belarus, Central Region, northern Black Soils Region, Volga Vyatsk, and the Upper Volga Valley. Rain (10-40 mm, with local amounts in excess of 50 mm) fell over Ukraine and North Caucasus. Average temperatures were 1-3 degrees Celsius (C) below normal in the north and west and near normal elsewhere. In October, above-normal precipitation over the Baltic States, Northwest Region, Belarus, Central Region, and Black Soils Region continued September's wet weather pattern. While the wet weather provided adequate to abundant moisture for winter grain establishment, excessive rain in some areas, especially Black Soils Region, likely waterlogged soils and hampered fall fieldwork. September's well-below-normal precipitation pattern in Volga Vyatsk, upper Volga, southern Ukraine, and western North Caucasus was reversed in October. Although the rainfall improved moisture for winter grains, it caused some delays in corn harvesting. Overall conditions for crop establishment this year are better than last year. However, persistent wet weather since September, especially in Russian Federation, slowed late-season harvests and hampered plantings of winter crops for 1993.



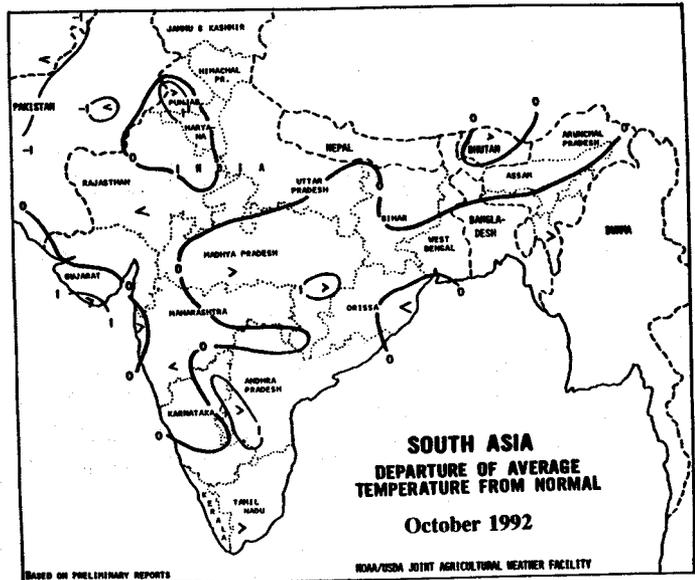
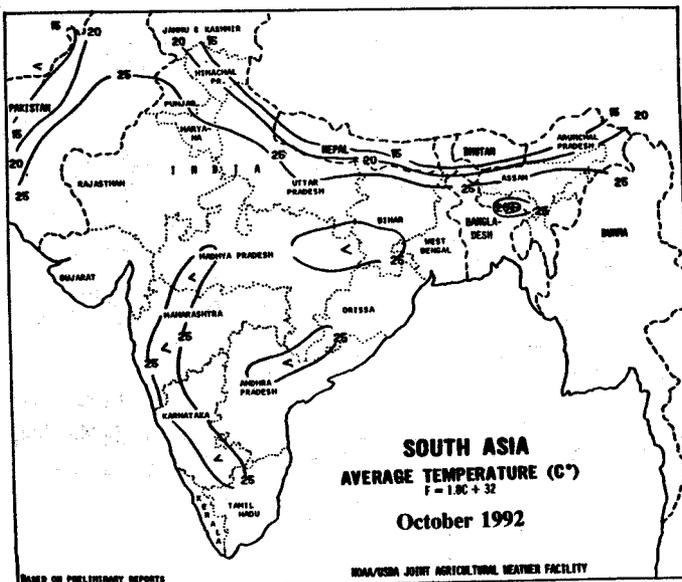
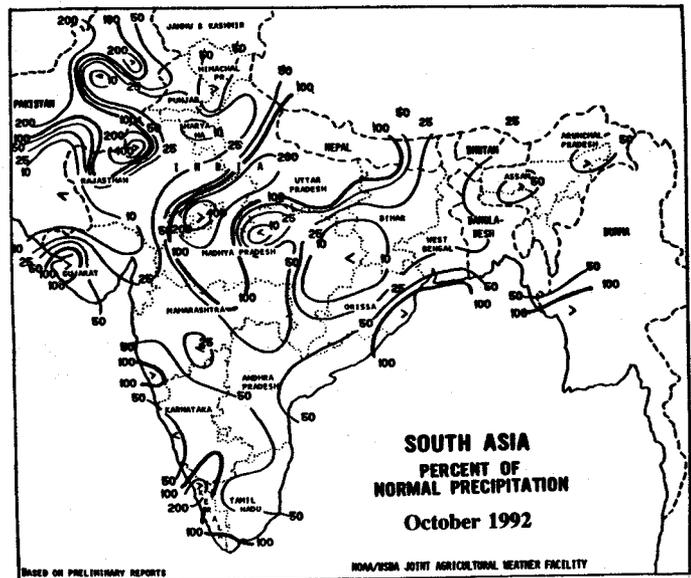
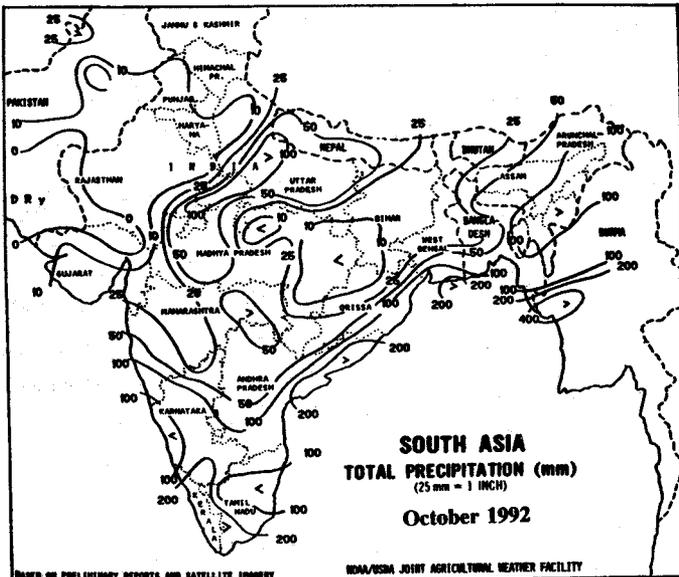


EUROPE: Dry weather was confined to much of the Iberian peninsula and Italy's Po Valley. Widespread rain fell elsewhere across the region, including the southeast. Beneficial moisture (10-35 mm) covered Bulgaria and Greece, improving topsoils for crop growth. While substantial rain (25-50 mm or more) fell along the Adriatic region, amounts were quite variable in the east, ranging from less than 5 mm in northwestern Hungary and southern Poland to scattered 25 mm amounts along the Hungary-Romania border and in northeast Poland. In the west, widespread 20-50 mm amounts maintained adequate moisture for winter crops but hampered late-autumn harvesting. In October, above-average rainfall covered much of Europe, slowing corn and sugar beet harvesting but improving moisture supplies for winter grain establishment. Below-average rainfall in October was restricted to western England and Ireland, the northwestern half of Poland and the southeast. Rainfall averaged less than 25 percent of the monthly normal in Bulgaria.

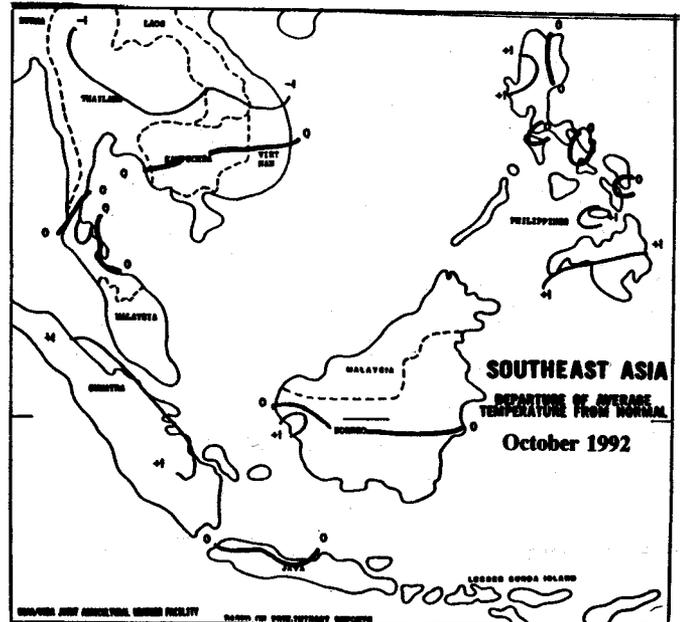
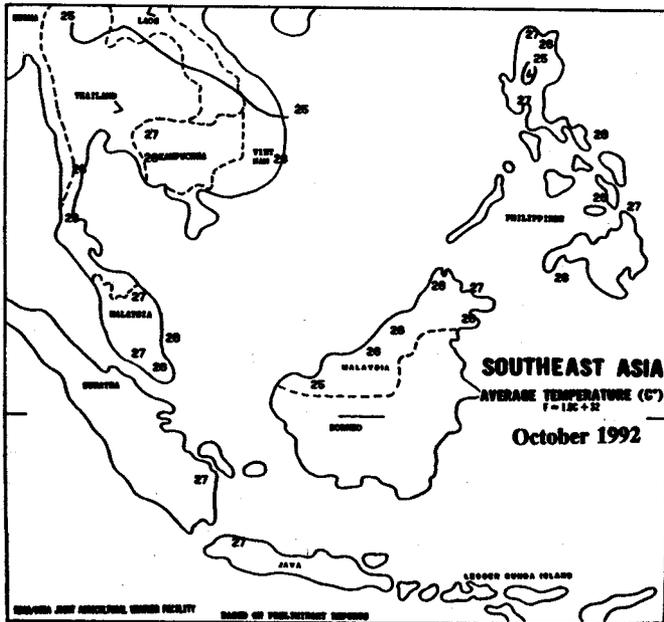
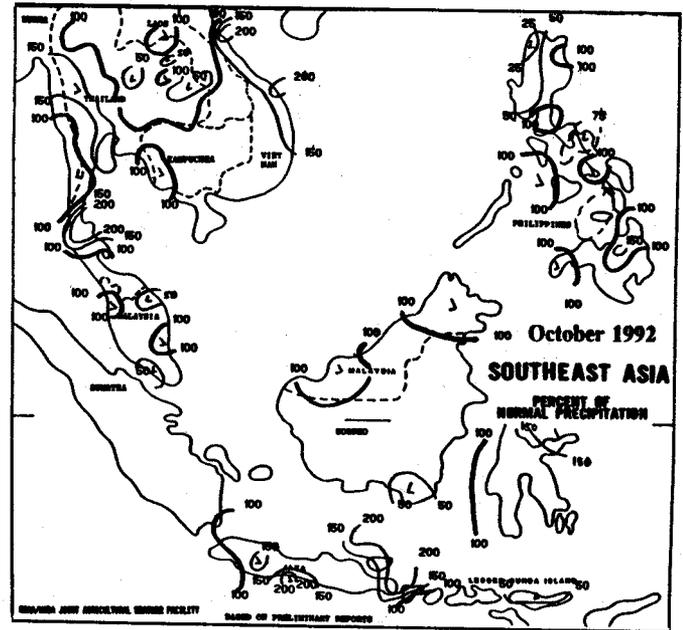
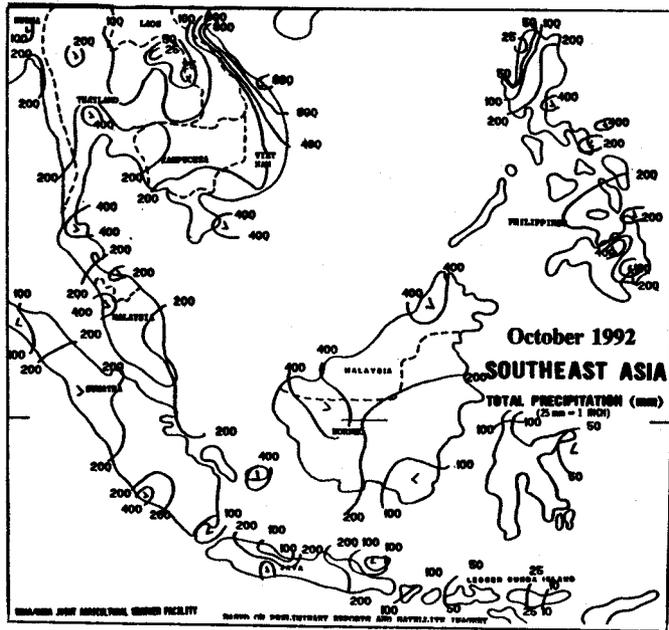
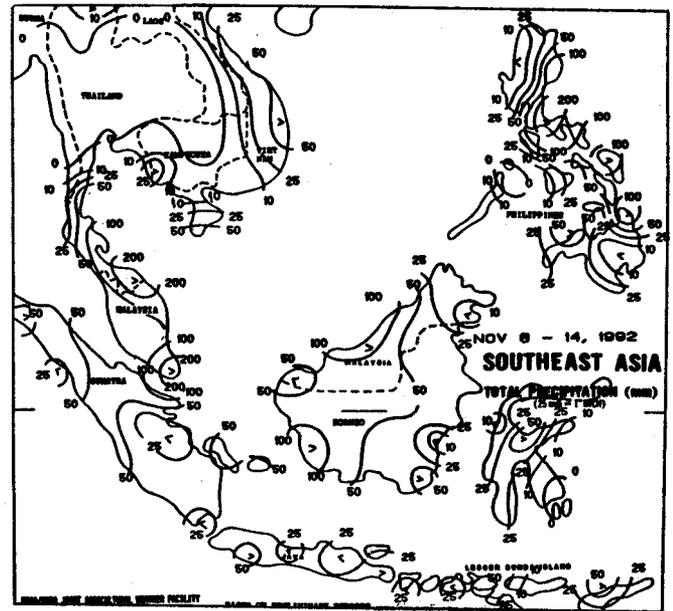


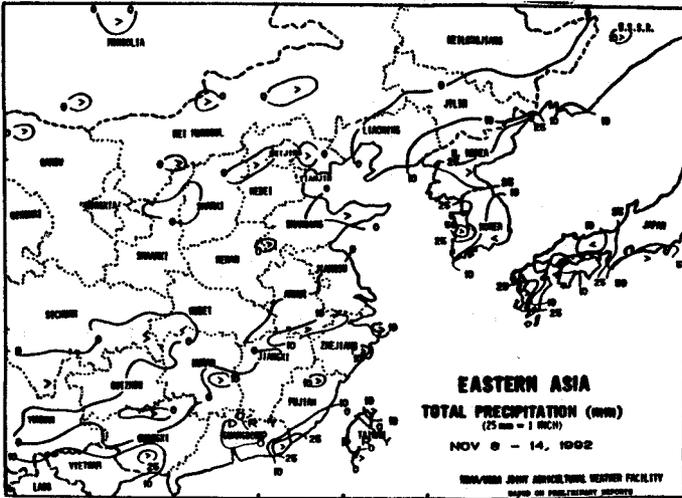


SOUTH ASIA: A tropical cyclone brought inundating rain (100-200 mm or more) to southern India and Sri Lanka, causing flooding and some damage to rice and other crops. The rainfall, concentrated over Tamil Nadu and Sri Lanka, reached coastal sections of Andhra Pradesh but missed much of the interior, where moisture is needed for immature fall crops. Dry weather elsewhere favored summer crop harvests. In early October, a cyclone brought generally beneficial showers to India's southern interior, boosting moisture for fall crop establishment. Remnants of the storm moved northward, bringing timely planting moisture to primary winter wheat areas of central and northern India. However, Bihar, which recorded below-normal rainfall during the wet season, received only light to moderate rain (10-50 mm) from the storm, doing little to replenish reservoirs for wheat planting. Mostly dry, seasonably warm weather has dominated the region since mid-October, helping summer crop drydown but reducing moisture in the southern interior for reproductive fall crops.

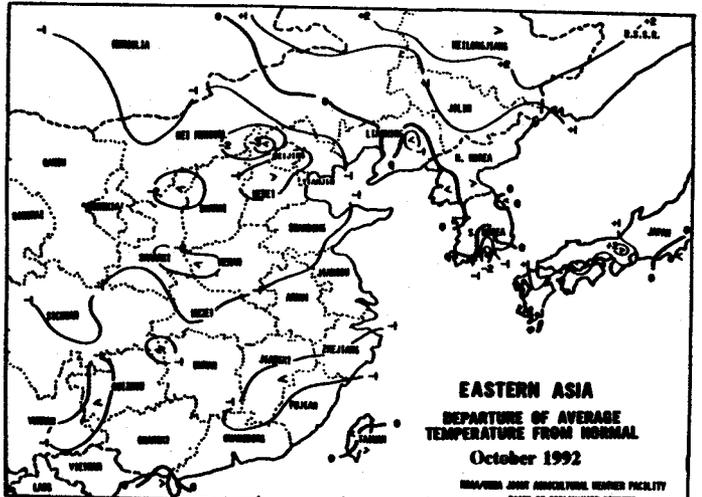
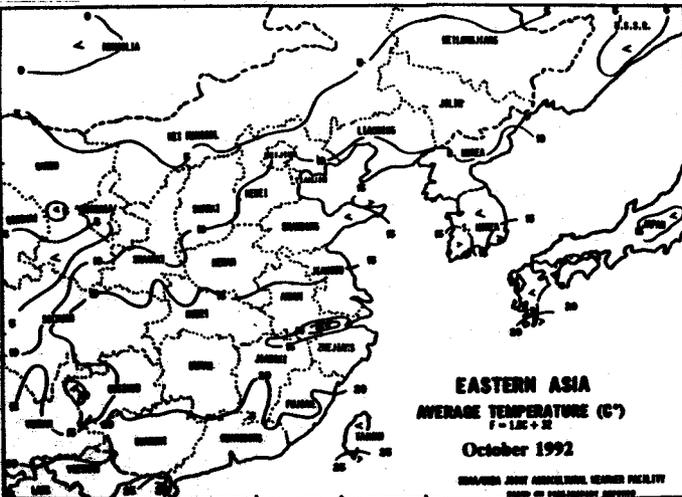
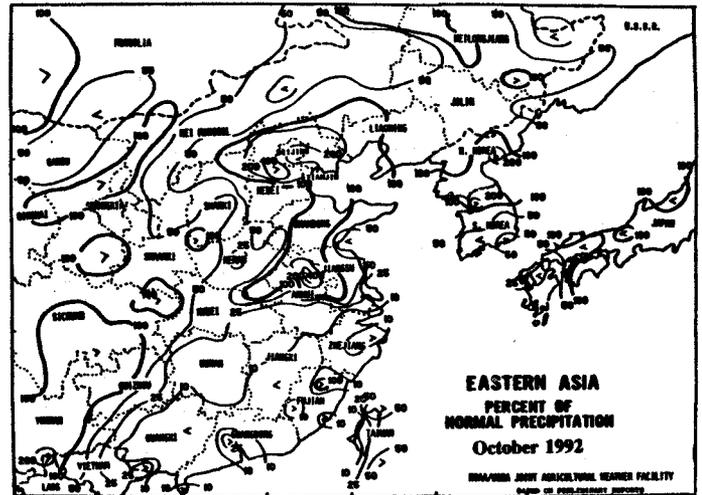
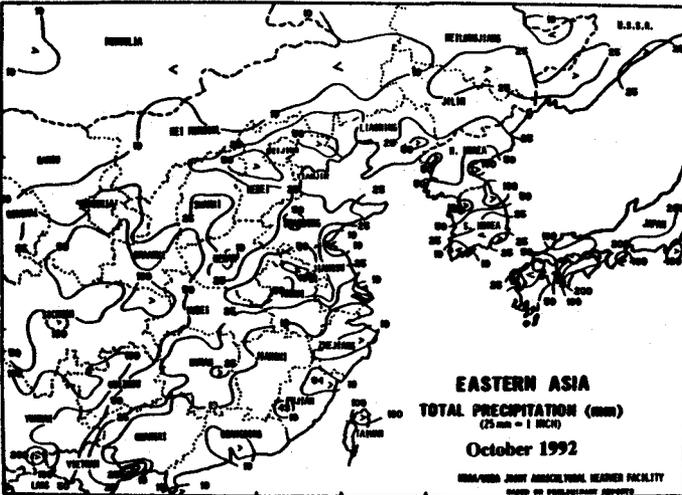


SOUTHEAST ASIA: Moderate to heavy showers (50-100 mm or more, with isolated totals exceeding 200 mm) fell over the Malay Peninsula, causing coastal flooding but improving moisture for oil palm. Showers were also heavy in eastern Malaysia but were more moderate (25-50 mm or more) over Indonesia. Further north, moderate showers (25-50 mm) were limited to coastal Vietnam and extreme northern Thailand. During October, the monsoon withdrew from Indochina, although showers lingered along the Chao Phraya River early in the month. Two typhoons hit central Vietnam in the middle of the month, and one hit south of Hanoi earlier, causing flooding and some crop damage. October rainfall was above normal over Java's primary rice areas but rainfall was near to below normal in Malaysia oil palm areas. In the Philippines, moderate to heavy showers (50-200 mm or more) continued over eastern crop areas, reflecting October's seasonable increase. The heaviest rain (200-300 mm or more) fell in southeastern Luzon, worsening flood conditions.

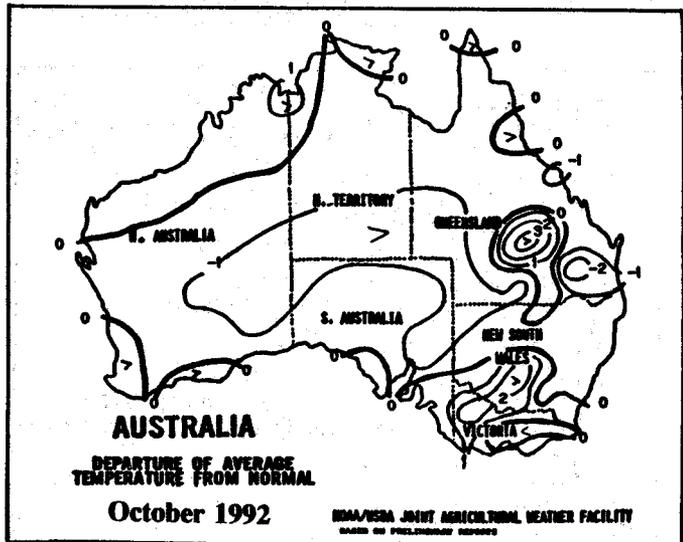
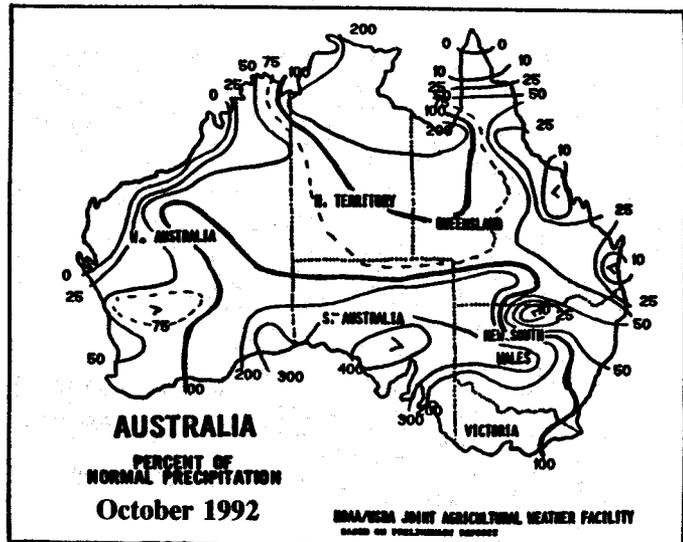
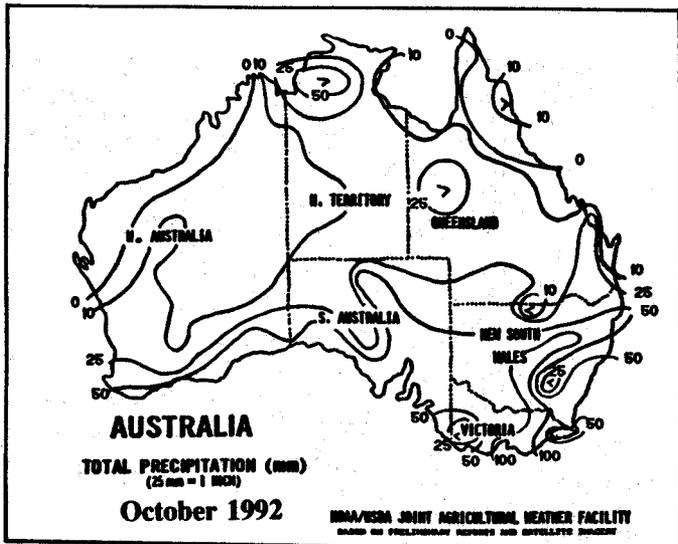
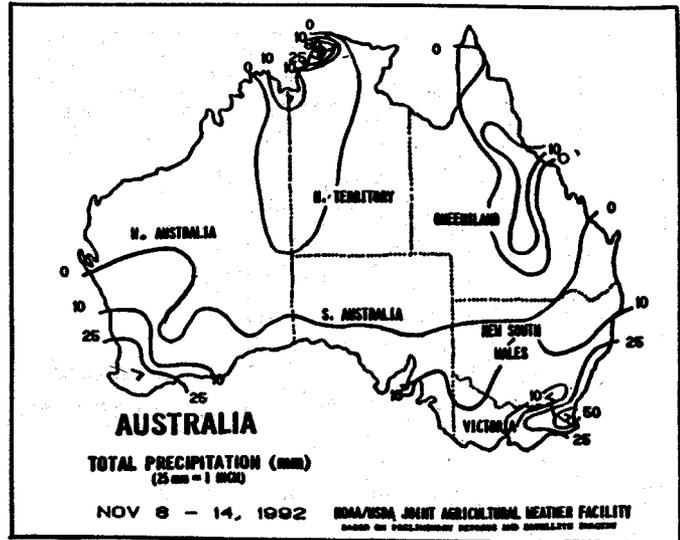


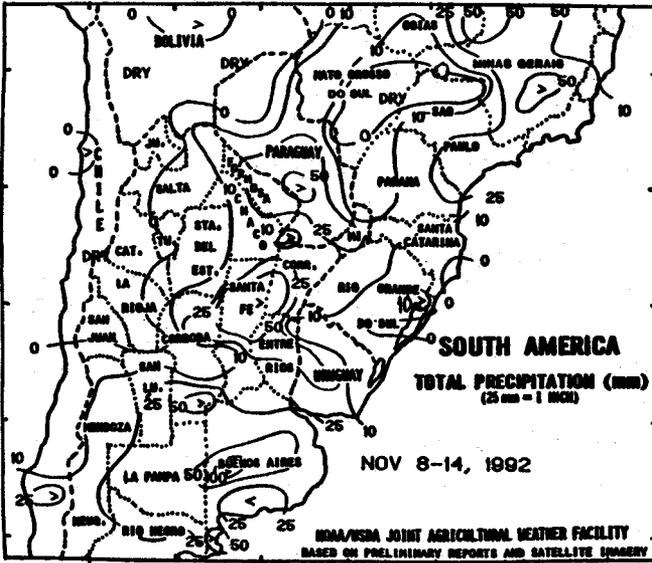


EASTERN ASIA: Little or no rain fell across northern and central China, continuing to favor summer crop harvesting and late-winter wheat planting. Highly scattered showers (6-35 mm) fell across southern China, favoring soil moisture for minor winter crops. In October, most of the rain fell during the first week of the month in the North China Plain, but still enough to average normal to above normal for the month. Since the first week, rainfall has been sparse across the whole country. October rainfall averaged 10-25 percent of normal rainfall across central and southern China. This dryness has continued since mid-August in the south, aiding rice maturation and harvesting, but depleting reservoir levels for winter crops and next year's irrigation supplies.

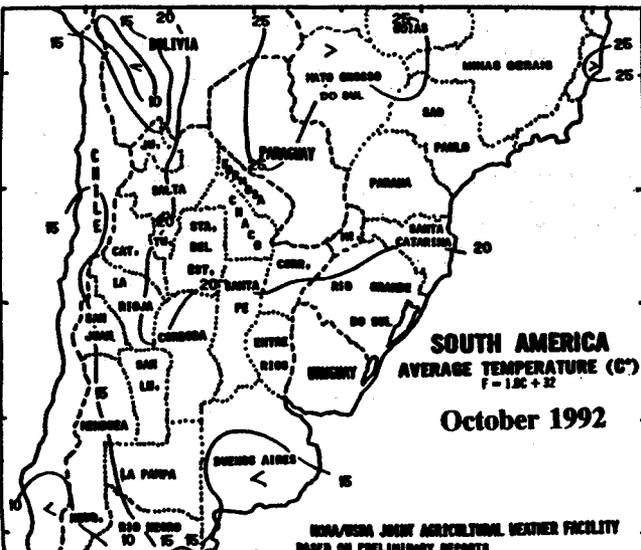
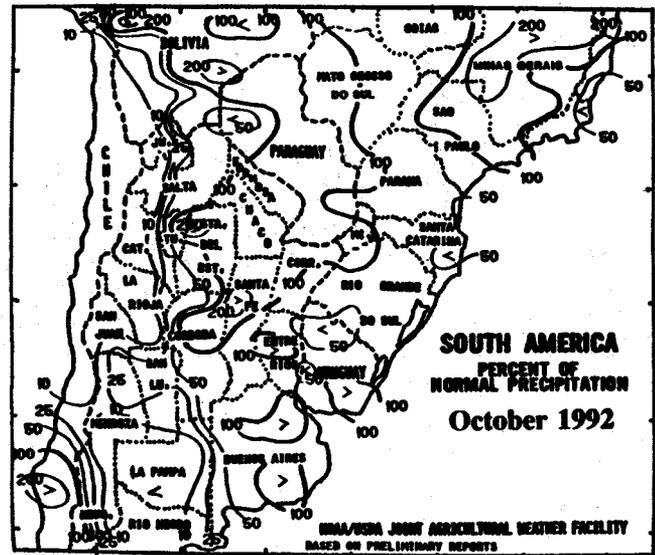
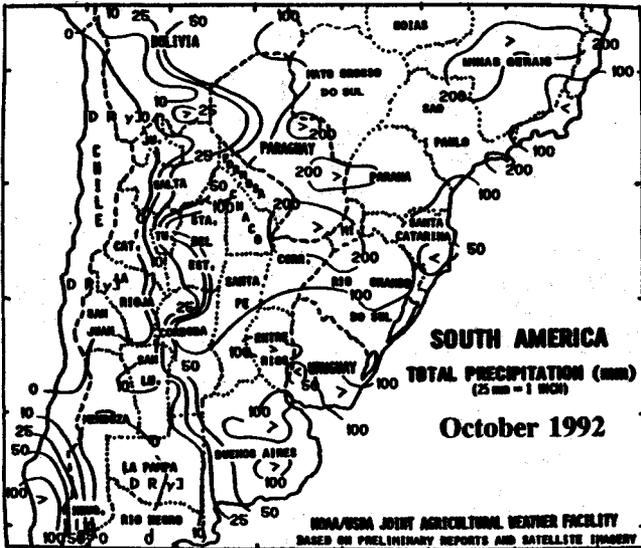


AUSTRALIA: Little or no rain fell across southern Queensland and northern New South Wales, aiding maturing winter wheat and early harvesting and cotton planting. In those areas, wheat yield prospects should only be slightly better than last year's drought-impacted crop. Western wheat areas received light to moderate rain (7-25 mm), favoring late-filling wheat, but slowing early harvesting in the north. Temperatures averaged 3-4 degrees below normal across the major wheat areas. October rainfall averaged below normal across the wheat area of Western Australia, Queensland, and northern New South Wales. The dryness stressed winter wheat except in the west, where soil moisture was sufficient. In South Australia, the remainder of New South Wales, and Victoria, light rain (5-14 mm) favored filling winter wheat. Above-normal to much above-normal rainfall (125-450 percent of normal rainfall) prevailed across these areas in October, greatly improving wheat yield prospects from last year.

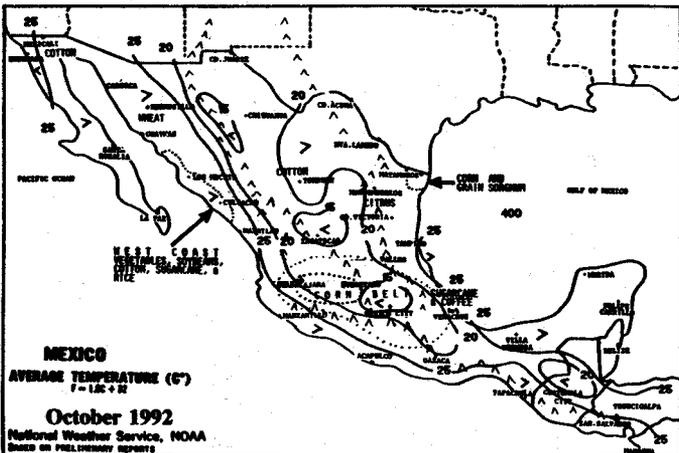
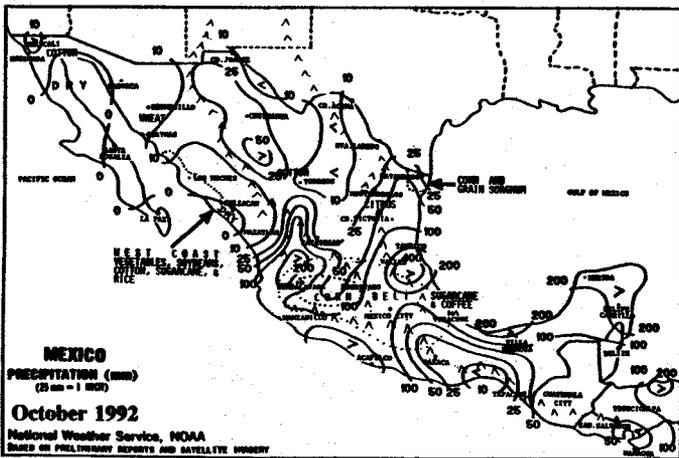
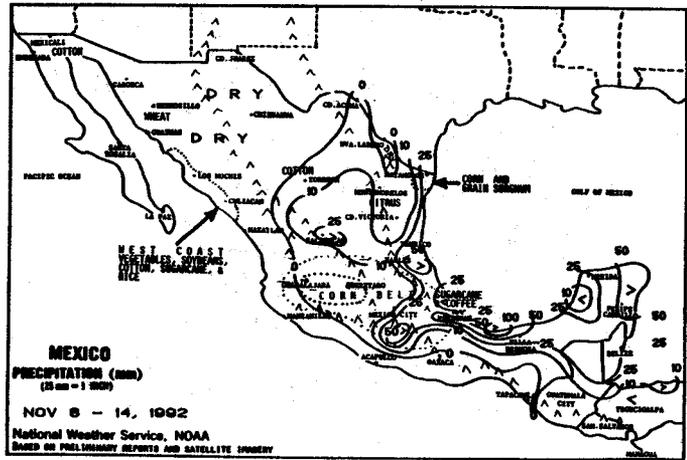


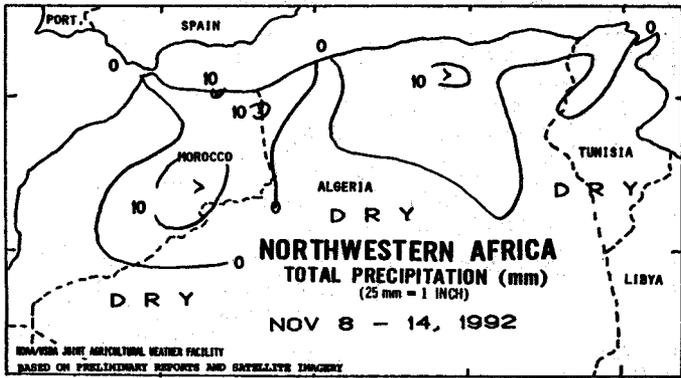


SOUTH AMERICA: Much-needed rain (29-55 mm) fell across southern Cordoba and La Pampa favoring reproductive to filling wheat, which received 25-75 percent of normal October rainfall. Beneficial rain (24-75 mm) also covered Santa Fe and Buenos Aires, aiding germinating and early vegetative corn, sunflowers, and soybeans. Temperatures averaged near normal across Argentina and 2-4 degrees C above normal in southern Brazil. During October, this region received near-normal rainfall, favoring soil moisture for corn and sunflowers. Moderate rain (27-55 mm) fell across the northern Argentine cotton region and southern Paraguay aiding vegetative cotton, but possibly causing additional flooding. During October, this area received above-normal rainfall, creating potential flooding problems for cotton. In southern Brazil, drier weather prevailed across most areas, favoring corn, cotton, and soybean planting. Typically, about 15-25 percent of the soybean crop should be planted by mid-November. However, eastern Minas Gerais continued to receive moderate showers (33-57 mm), aggravating saturated field conditions. October rainfall averaged near normal across most areas except for Minas Gerais which received above- to much above-normal rain.

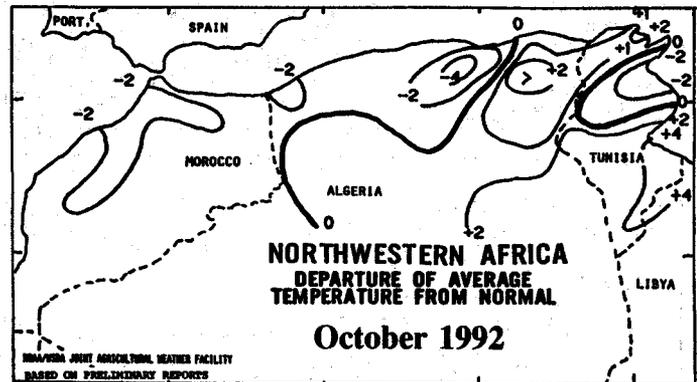
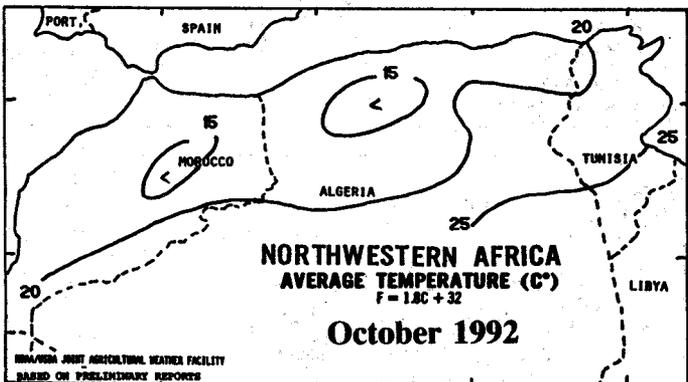
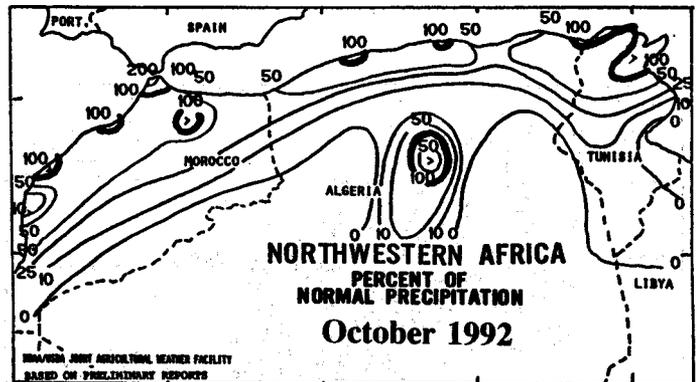
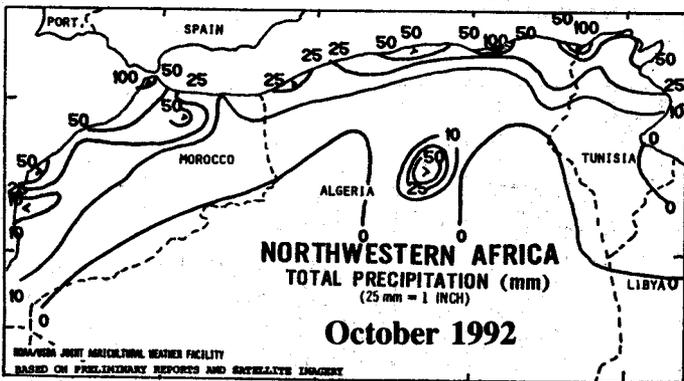


MEXICO: Light rain (less than 10 mm) fell across the western and central corn belt, causing only a minor slowdown in corn harvesting. Heavier rain (10-59 mm) covered the eastern corn belt, delaying corn and coffee harvesting. The Yucatan peninsula received scattered showers (15-113 mm), aiding reproductive to filling corn. During October, normal to above-normal rain fell across the corn belt, delaying corn harvesting. Below-normal rainfall aided vegetable and winter wheat planting and summer crop harvesting across the northwest.

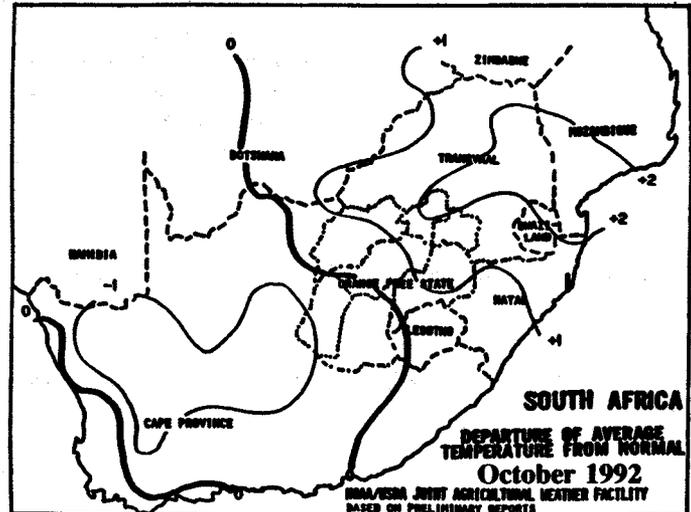
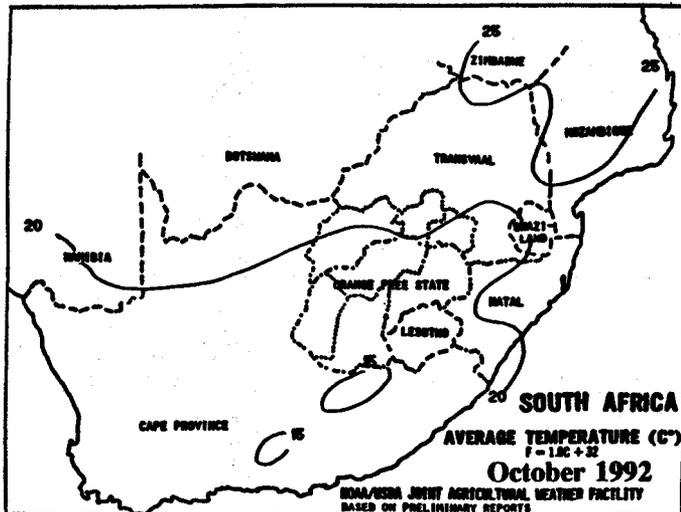
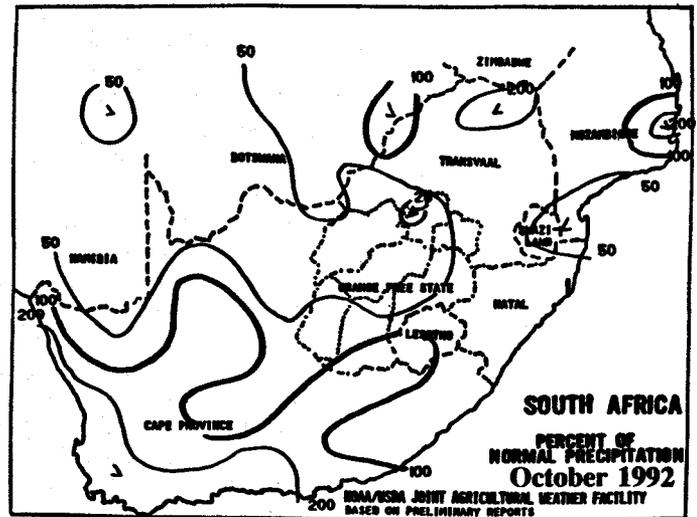
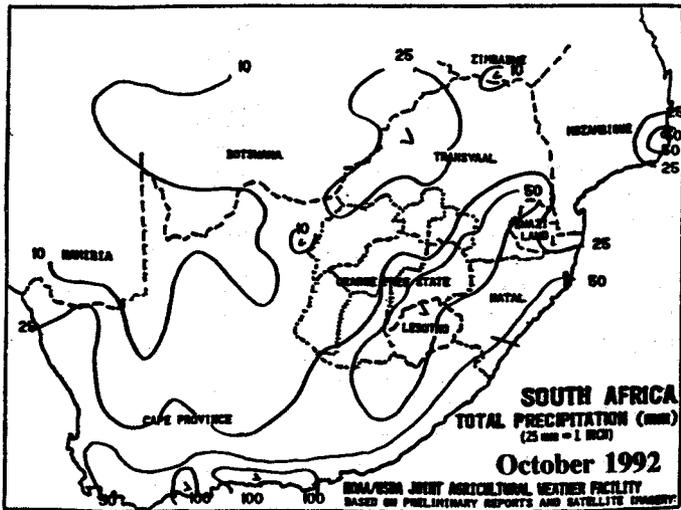
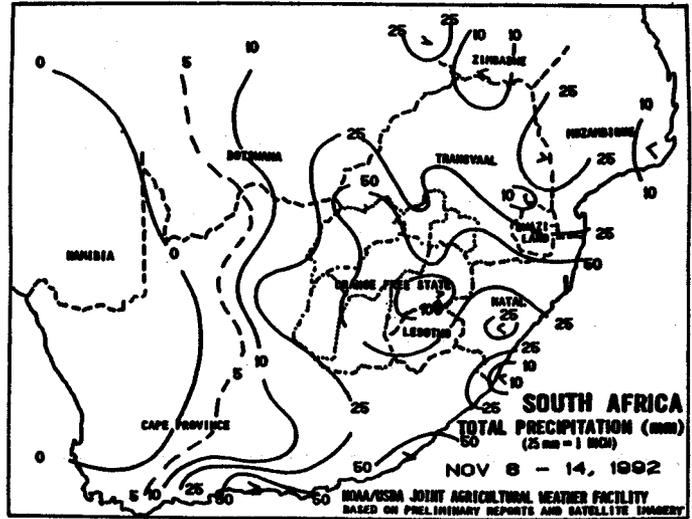




NORTHWESTERN AFRICA: Little, if any, precipitation covered most winter grain areas. Although October's precipitation (25-57 mm) was below-normal in central and eastern Algeria and Tunisia, significant rain from November 2-7 provided adequate to abundant moisture for winter grain planting. In Morocco and western Algeria, precipitation since October 1 has been insufficient for uniform crop emergence. As a result, producers continue to wait for the arrival of significant autumn rains before planting can become widespread. Since the bulk of winter grains are usually planted from mid-November to mid-December in Morocco and western Algeria, sufficient time remains for plantings.



SOUTH AFRICA: For the second week, moderate to heavy showers (25-120 mm) covered South Africa's primary corn areas, improving planting conditions. Rainfall totaled 20-48 mm in crop areas of eastern Cape Province and Natal that needed moisture for germination. In October, rainfall was below normal over the primary corn regions, with drought-stricken western regions (southwestern Transvaal and the western two-thirds of Orange Free State) receiving less than 50 percent of normal. Temperatures averaged 1-2 degrees C above normal, exacerbating the moisture losses. In contrast, moderate to heavy showers (50-100 mm or more) from southern Cape Province northeastward to Natal boosted topsoil moisture for summer plantings.



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(Continued from front cover)

in the Rockies of Colorado and northern New Mexico. More than 9 inches of rain fell in Grandfield, OK, triggering widespread flash flooding south and east of Lawton, OK. Up to 6 inches drenched Texas' coast. Colder air poured into the West as the storm lifted toward the Great Lakes, producing midweek daily record lows of -3°F in Laramie, WY, and 30°F in Redding, CA. Heavy rain expanded northeastward with the storm's center, resulting in a swath of more than 2 inches of rain from Oklahoma to southern Ontario. Significant lowland flooding affected southern Illinois and central Indiana, further disrupting the corn harvest. River flooding was reported along the White River near Indianapolis, IN, and along the Wabash River from Montezuma, IN, to Mount Carmel, IL. Several Wabash River tributaries in southeastern Illinois also escaped their banks, including the Embarras River and the Little Wabash River (near Clay City, IL). As the storm's cold front kicked eastward, it produced damaging wind gusts of up to 70 mph over the Great Lakes and Ohio Valley on Thursday. Late in the week, colder air swirled into the East, changing rain to snow squalls in the Great Lakes States. By Saturday night, snowfall totaled more than 1 foot in Erie, PA, and across parts of north-central Lower Michigan.

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