

WEEKLY WEATHER AND CROP BULLETIN

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

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

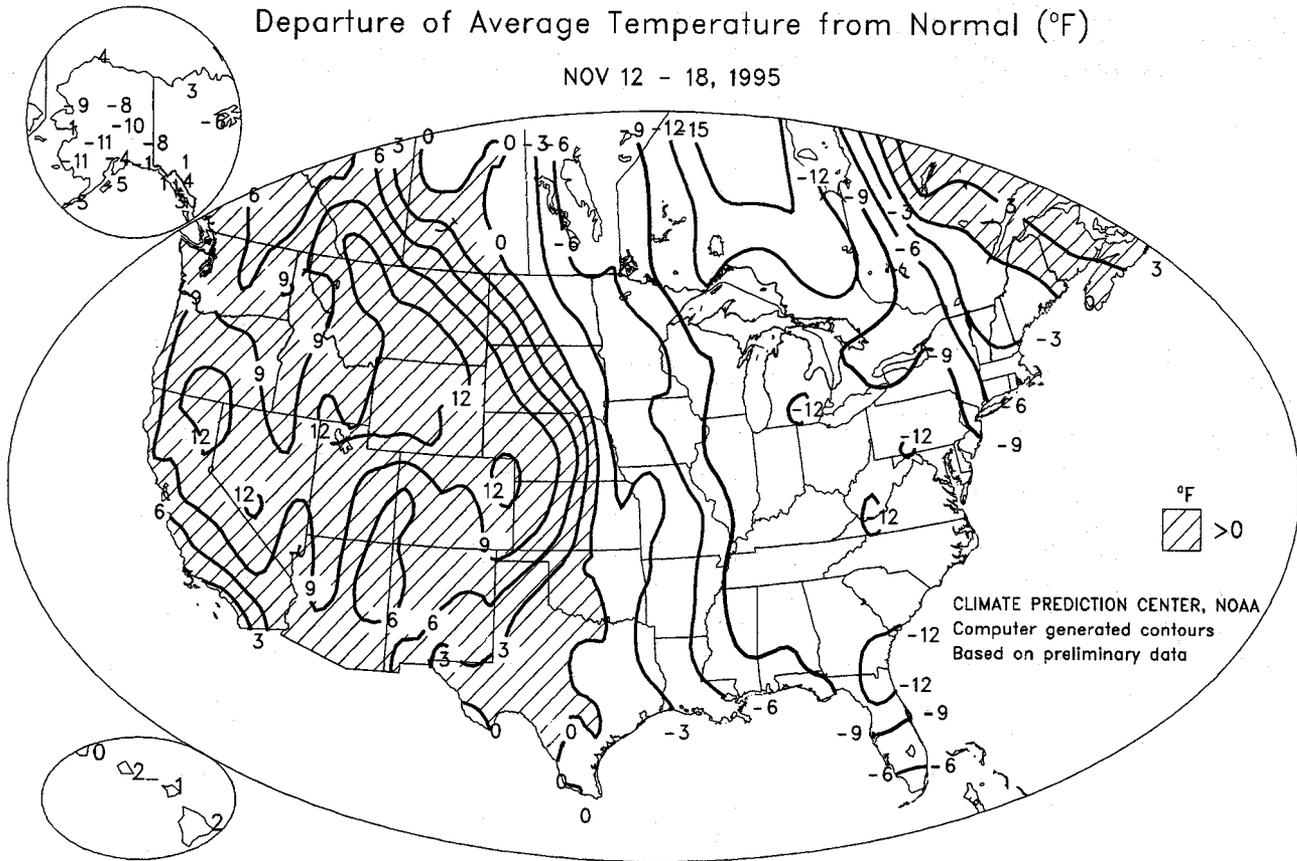
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Washington, D.C.

November 21, 1995

Departure of Average Temperature from Normal (°F)

NOV 12 - 18, 1995



CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary data

HIGHLIGHTS

November 12 - 18, 1995

A strong low-pressure system formed near the **Delmarva Peninsula** on Tuesday and tracked northward, delivering high winds and heavy precipitation to the **Northeast**. The departing storm reinforced an already cold pattern across the **East**, as weekly temperatures averaged up to 13°F below normal. In contrast, weekly departures in the **West** reached +15°F, influenced by high pressure aloft. Meanwhile, breezy, dry weather in the **central and southern Plains** continued to prevent proper winter wheat establishment. Elsewhere, significant precipitation was confined to the **Pacific Northwest** and **southern Texas**.

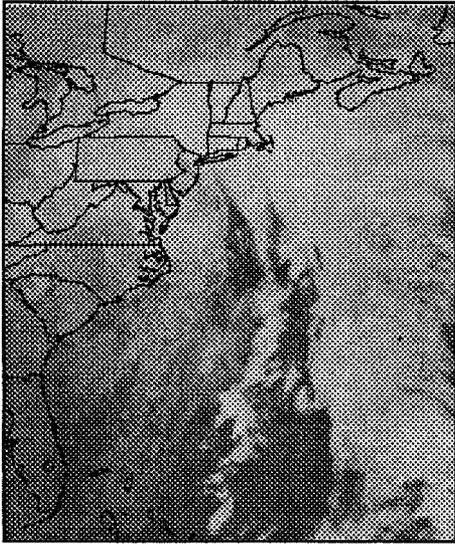
On Sunday, a strong cold front continued to sweep through the **Northeast**, producing pre-frontal southerly gusts to 64 mph in **Windsor**

(Continued on page 2)

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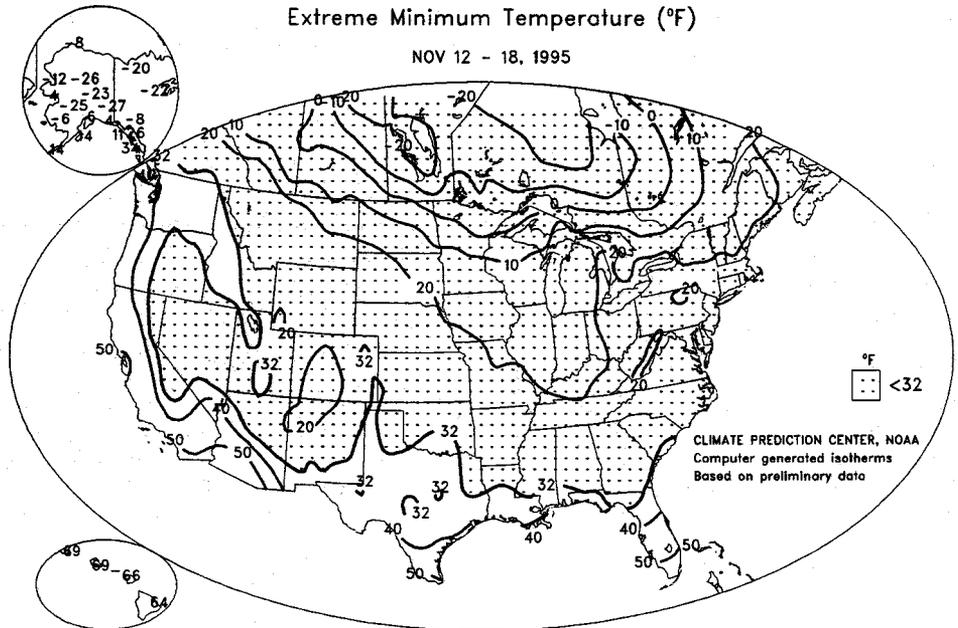
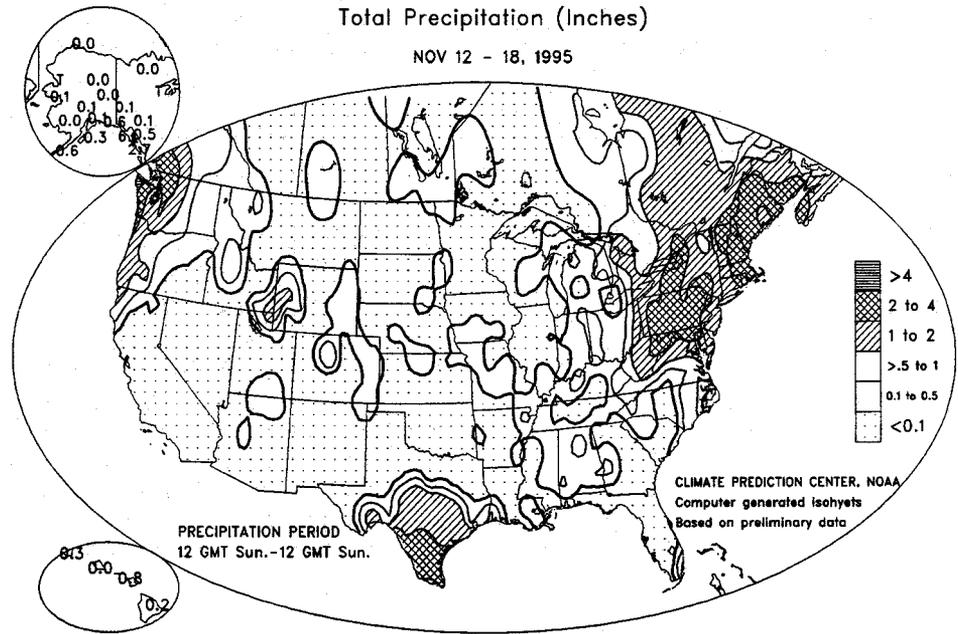
GOES-8 IR, Nov. 14, 1995, 20:15 UTC

The season's first coastal storm dumps another round of heavy precipitation on the Northeast, including up to 2.5 feet of snow in higher elevations of the northern Middle Atlantic States.

(Continued from front cover)

Locks, CT and **53 mph in Providence, RI**. In **Massachusetts**, pre-dawn southerly gusts reached **63 mph in Boston** and **81 mph** at the nearby **Blue Hill Observatory**. Post-frontal snowfall totaled **9.9 inches (6.4 inches on Sunday)** in **Binghamton, NY** and **4.4 inches in Scranton, PA**, their first accumulations of the season. Later in the day, highs failed to reach the freezing mark in **Chicago, IL (28°F)** and **Dayton, OH (30°F)**. But farther west, temperatures peaked at **83°F in Amarillo, TX** and **78°F in Sacramento, CA**, the first of more than **90 daily-record highs** during the week from the Plains westward. In contrast, cold weather gripped interior **Alaska** before midweek, spreading nearly statewide thereafter. **Fort Yukon** recorded **-37°F** on Monday; **Fairbanks** noted **-23°F** a day later. In the **Aleutians**, **Cold Bay** registered a daily-record low (**10°F**) on Friday.

Precipitation returned to the Northeast by Monday, where **Pittsburgh, PA** tallied its first of two daily-snowfall records (**2.5** and **6.1 inches**). By storm's end, at midweek, November snowfall records were broken in **New York** at **Binghamton (24.7 inches; storm total 14.8 inches)** and **Syracuse (28.8 inches; storm total 10.5 inches)**. Isolated mountain totals reached **25 to 30 inches** from **northern West Virginia** to **central New York**. Due to the storm's inland track through **New York**, little snow fell in **New England**, but rainfall topped **2 inches** in locations such as **Portland, ME** and **Concord, NH**. The composite **New York City** reservoir holdings, which as recently as **October 12** stood at about **70 percent** of normal, reached **96 percent** of normal on **November 14**. In addition to heavy rain, northeasterly winds on **Tuesday** gusted to **44 mph** in **Bridgeport, CT** and **54 mph** in **Boston**.



On the storm's outer fringe of influence, daily-record lows were noted in **International Falls, MN (-12°F on Monday)** and **Apalachicola, FL (33°F on Tuesday)**. But farther west, daily-record highs on **Tuesday** of **81°F** were the warmest readings of the week in **Las Vegas, NV** and **Bakersfield, CA**. After midweek, record warmth continued in the West and made another foray into the **High Plains**. The week ended with four consecutive daily records in **Millford, UT** (including **72°F** on **November 15** and **18**), and three in a row in **Reno, NV (73°F on Friday)**, where rain last fell on **July 18**. On **Saturday**, highs soared into the **70's** as far north as **Billings, MT (71°F)**.

Rain fell on **3 to 7 days** during the week in the **Pacific Northwest**, pushing weekly totals to **4.02 inches in Quillayute, WA** and **1.55 inches in Astoria, OR**. Late in the week, an upper-level disturbance crossing **southern Texas** sparked heavy rains as far north as **San Angelo (1.60 inches)**. But farther north, rainless **November** weather persisted on the **Texas plains** at **Lubbock** and **Midland**. In **Kansas**, rainfall in **Dodge City** totaled only **0.12 inches** between **October 1** and **November 18**, while **Wichita** collected **0.36 inches** during the same period.

National Weather Data for Selected Cities

Weather Data for the Week Ending November 18, 1995

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT	NUMBER OF DAYS						
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Sep 1	PCT. NORMAL SINCE Sep 1	TOTAL, IN., SINCE Jan 1		PCT. NORMAL SINCE Jan 1	AVERAGE	MAXIMUM	MINIMUM	90 AND ABOVE	32 AND BELOW	PRECIP.
													.01 INCH OR MORE							.50 INCH OR MORE
AL BIRMINGHAM	53	32	68	26	42	-11	.4	-.6	.4	22.9	250	47.3	99	91	46	0	0	5	1	0
MOBILE	66	40	74	33	53	-7	.3	-.9	.3	17.2	155	70.7	125	92	38	0	0	1	1	0
MONTGOMERY	58	34	71	27	46	-10	.1	-.8	-.1	11.4	134	38.1	79	92	41	0	0	3	1	0
AK ANCHORAGE	23	12	32	6	17	-4	.1	-.2	.0	4.0	73	13.7	95	84	63	0	0	7	2	0
BARRON	7	-2	10	-8	3	4	.4	-.1	.4	.5	40	3.1	76	86	81	0	0	7	0	0
FAIRBANKS	-1	-15	11	-23	-8	-10	.4	-.2	.4	1.8	77	8.8	90	81	72	0	0	7	0	0
JUNEAU	40	31	45	26	35	4	.5	-.6	.2	10.7	60	..	..	98	79	0	0	3	4	0
KODIAK	35	24	41	14	29	-5	.3	-1.1	.2	30.0	169	81.9	140	83	60	0	0	6	3	0
NOME	20	10	23	4	15	-1	.1	-.2	.0	4.9	109	14.7	108	78	62	0	0	7	4	0
AZ PHOENIX	82	55	85	54	69	7	.0	-.2	.0	2.6	138	9.2	144	71	27	0	0	0	0	0
PRESCOTT	74	38	75	34	56	12	.0	-.4	.0	1.1	27	11.3	65	62	18	0	0	0	0	0
TUCSON	80	49	83	48	65	6	.0	-.1	.0	3.5	113	11.0	103	68	21	0	0	0	0	0
YUMA	87	58	88	56	73	8	.0	-.1	.0	.3	39	3.2	125	58	19	0	0	0	0	0
AR FORT SMITH	63	34	68	27	49	-2	.0	-.9	.0	7.2	77	34.5	95	92	33	0	0	3	0	0
LITTLE ROCK	..	..	..	..	..	..	.4	-.2	.4	..	..	..	..	..	..	..	..	..	..	..
CA BAKERSFIELD	77	50	81	48	63	8	.0	-.2	.0	.4	8	7.9	164	80	39	0	0	0	0	0
EUREKA	64	52	71	47	58	6	.2	-1.4	.2	1.9	26	38.1	133	97	54	0	0	0	2	0
FRESNO	76	48	78	46	62	8	.0	-.3	.0	.4	0	15.2	178	90	27	0	0	0	0	0
LOS ANGELES	67	57	71	55	62	1	.0	-.4	.0	.1	7	21.1	221	95	43	0	0	0	0	0
REDDING	76	48	88	44	62	10	.4	-.2	.4	.4	0	46.6	183	89	38	0	0	0	0	0
SACRAMENTO	75	50	78	47	63	9	.0	-.7	.0	.4	0	23.8	172	93	44	0	0	0	0	0
SAN DIEGO	69	58	71	56	63	1	.0	-.4	.0	.3	22	16.2	210	91	43	0	0	0	0	0
SAN FRANCISCO	67	52	76	49	60	5	.0	-.7	.0	.4	1	21.0	138	96	47	0	0	0	1	0
CO DENVER	62	34	74	29	48	9	.4	-.2	.4	3.2	114	15.9	110	82	31	0	0	4	1	0
GRAND JUNCTION	62	32	67	28	47	5	.0	-.2	.0	1.1	38	9.6	103	77	29	0	0	4	0	0
FUERO	68	24	77	20	46	6	.0	-.1	.0	1.5	83	15.3	145	83	22	0	0	7	0	0
CT BRIDGEPORT	44	32	49	28	38	-8	2.0	1.1	1.2	12.8	151	30.7	84	81	52	0	0	3	5	2
HARTFORD	46	28	64	23	37	-5	2.0	1.1	1.8	17.0	175	38.7	100	91	55	0	0	5	5	2
DC WASHINGTON	64	33	48	29	38	-12	1.4	-.7	1.3	15.8	192	36.2	106	91	55	0	0	5	3	1
FL PANAMA CITY	43	44	73	38	54	-7	.4	-.9	.4	9.2	80	45.7	78	89	46	0	0	0	0	0
DAYTONA BEACH	67	43	74	39	55	-11	.0	-.7	.0	19.4	158	50.1	113	95	46	0	0	0	0	0
JACKSONVILLE	62	38	67	33	50	-15	.0	-.6	.0	11.0	89	46.8	102	91	46	0	0	0	0	0
KEY WEST	76	67	78	64	72	-4	.4	-.7	.4	13.1	108	35.7	98	81	57	0	0	0	0	0
MIAMI	76	61	81	54	68	-5	1.5	-.9	1.0	21.9	145	77.7	146	81	49	0	0	3	1	1
ORLANDO	70	47	78	42	59	-9	.0	-.5	.0	8.4	85	41.4	92	86	46	0	0	0	0	0
TALLAHASSEE	64	37	71	28	51	-9	.4	-.9	.4	10.0	94	47.7	81	89	38	0	0	2	0	0
TAMPA	69	48	77	43	58	-9	.0	-.4	.0	8.4	93	52.7	129	79	39	0	0	0	0	0
WEST PALM BEACH	74	57	80	47	65	-7	.3	-.5	.3	19.2	111	61.6	110	84	50	0	0	1	0	0
GA ATLANTA	53	31	63	27	42	-11	.1	-.8	.1	20.3	233	48.6	108	88	45	0	0	6	1	0
AUGUSTA	58	30	64	26	44	-11	.0	-.6	.0	13.4	183	43.6	108	88	31	0	0	6	0	0
MACON	59	31	66	28	45	-11	.0	-.6	.0	8.5	133	37.7	96	95	35	0	0	6	0	0
SAVANNAH	61	36	68	33	49	-11	.1	-.4	.1	8.7	107	50.1	110	92	50	0	0	1	0	0
HI HILO	85	67	87	64	76	2	.2	-3.3	.1	16.6	62	77.0	69	92	61	0	0	0	2	0
HONOLULU	87	71	90	69	79	2	.4	-.7	.4	1.2	25	11.5	68	88	57	3	0	0	0	0
KAHULUI	85	70	90	66	77	1	.8	-.2	.5	1.3	44	10.9	66	92	64	1	0	0	2	0
LIHUE	80	71	82	69	76	0	.3	-1.0	.2	16.4	163	32.4	91	89	66	0	0	0	2	0
ID BOISE	55	42	59	36	49	8	.6	-.3	.6	1.7	70	10.7	106	97	51	0	0	3	1	1
LEWISTON	55	43	60	39	49	7	.2	-.1	.2	3.8	156	15.0	138	96	69	0	0	2	0	0
POCATELLO	58	36	63	27	47	11	.2	-.1	.1	1.3	52	13.3	126	93	46	0	0	2	2	0
IL CHICAGO	35	23	39	14	29	-11	.1	-.6	.0	8.5	107	31.9	99	89	61	0	0	6	2	0
MOLINE	38	24	50	14	31	-9	.0	-.6	.0	6.7	79	33.6	94	90	62	0	0	5	0	0
PEORIA	39	25	53	13	32	-10	.0	-.6	.0	7.1	87	33.4	102	91	63	0	0	5	0	0
QUINCY	43	28	55	16	36	-7	.0	-.7	.0	4.9	50	32.1	89	78	53	0	0	5	0	0
ROCKFORD	33	23	37	14	28	-10	.4	-.6	.4	8.2	99	31.9	96	89	62	0	0	7	0	0
SPRINGFIELD	44	26	58	12	35	-8	.4	-.6	.4	4.3	58	30.1	96	87	53	0	0	5	0	0
IN EVANSVILLE	48	28	61	19	38	-10	.2	-.8	.2	4.7	56	43.1	107	92	49	0	0	6	3	0
FORT WAYNE	37	25	41	18	31	-11	.2	-.5	.2	5.9	87	30.4	99	91	64	0	0	6	2	0
INDIANAPOLIS	42	27	52	15	35	-9	.1	-.7	.1	5.9	80	32.7	93	90	55	0	0	6	2	0
SOUTH BEND	35	25	40	15	30	-11	.1	-.7	.0	7.8	90	39.1	113	94	66	0	0	6	2	0
IA DES MOINES	40	26	50	17	34	-5	.0	-.4	.0	5.5	70	30.5	95	87	60	0	0	6	0	0
SIOUX CITY	43	23	54	16	33	-4	.4	-.2	.4	6.3	113	23.9	97	92	66	0	0	7	1	0
WATERLOO	39	23	43	14	31	-5	.4	-.4	.4	6.0	82	28.9	91	88	55	0	0	7	0	0
KS CONCORDIA	56	33	71	30	44	3	.4	-.3	.4	3.1	54	25.4	92	89	56	0	0	4	1	0
DODGE CITY	65	35	74	31	50	6	.4	-.2	.4	1.4	37	18.8	91	78	34	0	0	1	0	0
GOODLAND	65	34	77	30	50	11	.1	-.0	.1	2.5	85	19.9	114	83	38	0	0	2	1	0
TOPEKA	54	26	61	21	40	-3	.1	-.4	.0	3.7	46	35.8	108	88	51	0	0	7	2	0
WICHITA	61	29	68	25	45	0	.4	-.5	.4	2.4	29	33.8	104	89	43	0	0	7	1	0
KY BOWLING GREEN	48	28	60	18	38	-9	.1	-.9	.1	11.5	124	36.6	83	89	53	0	0	5	1	0
LEXINGTON	44	29	52	16	37	-10	.2	-.6	.2	8.4	109	46.2	118	91	57	0	0	5	1	0
LOUISVILLE	46	31	58	19	38	-9	.3	-.5	.3	8.8	110	37.2	95	91	56	0	0	3	3	0
LA BATON ROUGE	68	41	75	35	55	-5	.4	-.0	.4	12.2	113	67.0	125	92	43	0	0	0	2	0
LAKE CHARLES	70	47	77	38	58	-2	.7	-.3	.7	12.8	106	56.9	119	96	51	0	0	1	1	1
NEW ORLEANS	67	43	73	36	55	-6	.4	-.0	.4	5.8	53	59.8	110	88	35	0	0	0	0	0
SHEREVEPORT	66	38	74	30	52	-4	.0	-.0	.0	7.0	69	38.9	91	91	41	0	0	1	0	0

Based on 1961-90 normals.

Weather Data for the Week Ending November 18, 1995

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION								RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Sep 1	PCT. NORMAL SINCE Sep 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																		.01 INCH OR MORE	.50 INCH OR MORE		
ME CARIBOU	42	27	60	18	34	3	2.0	1.2	1.2	11.1	128	31.9	100	86	53	0	5	2	2	2	
PORTLAND	45	27	58	19	36	-3	3.4	2.1	2.3	12.4	123	34.7	92	90	52	0	6	3	3	2	
MD BALTIMORE	45	30	51	27	38	-9	1.5	.8	1.5	12.7	153	32.8	91	91	51	0	5	3	1	1	
SALISBURY	49	28	54	23	38	-10	1.5	.8	1.4	11.1	124	28.6	71	94	51	0	6	3	1	1	
MA BOSTON	50	34	63	31	42	-4	2.5	1.5	1.4	14.6	165	31.3	88	80	44	0	2	4	2	2	
CHATHAM	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
MI ALPENA	33	21	40	19	27	-9	.3	.3	.1	6.7	103	22.1	85	91	67	0	7	4	0	0	
DETROIT	36	26	39	23	31	-9	.2	.4	.1	6.8	103	26.0	91	85	62	0	6	3	0	0	
FLINT	33	20	36	13	27	-13	.1	.5	.1	6.0	82	22.6	83	90	69	0	7	2	0	0	
GRAND RAPIDS	33	22	38	17	27	-11	.1	.7	.1	7.2	80	32.3	101	91	69	0	7	2	0	0	
HOUGHTON LAKE	33	20	35	14	26	-9	.4	.2	.2	7.1	103	27.9	110	91	64	0	7	6	0	0	
LANSING	33	18	35	12	26	-12	.1	.5	.1	6.2	75	23.2	82	93	72	0	7	2	0	0	
MARQUETTE	29	11	34	0	20	-10	.1	.6	.1	12.1	128	35.7	113	90	62	0	7	2	0	0	
MUSKOGON	34	22	38	15	28	-12	.4	.4	.2	8.7	102	26.9	95	94	62	0	7	4	0	0	
SAULT ST. MARIE	29	19	34	12	24	-10	.2	.7	.1	14.2	158	38.5	128	81	56	0	7	3	0	0	
MN ALEXANDRIA	30	20	34	14	25	-5	.5	.3	.3	9.4	164	26.4	108	93	67	0	7	0	0	0	
DULUTH	27	17	33	3	22	-7	.1	.3	.1	8.4	113	32.1	114	86	64	0	7	3	0	0	
INT'L FALLS	24	9	29	-12	16	-9	.9	.2	.2	7.5	128	22.6	98	91	71	0	7	2	0	0	
MINNEAPOLIS	35	25	39	19	30	-3	.3	.4	.4	6.5	109	24.2	91	77	55	0	7	1	0	0	
ROCHESTER	34	22	37	17	28	-5	.4	.4	.4	5.8	85	25.6	91	89	61	0	7	0	0	0	
MS GREENWOOD	60	34	70	29	47	-8	.3	.2	.2	3.2	33	32.8	71	97	41	0	2	0	0	0	
JACKSON	62	34	71	30	48	-7	.3	.8	.3	12.5	140	51.8	111	96	39	0	2	1	0	0	
MERIDIAN	59	33	71	29	46	-9	.2	.8	.2	11.1	123	46.4	95	99	43	0	5	1	0	0	
MO CAPE GIRARDEAU	47	31	58	22	39	-8	.3	.6	.1	4.8	54	35.7	89	93	57	0	4	3	0	0	
COLUMBIA	50	31	59	18	40	-3	.1	.7	.0	4.0	44	46.5	134	89	52	0	4	2	0	0	
KANSAS CITY	51	29	59	23	40	-3	.3	.1	.1	3.4	37	34.1	97	93	54	0	5	3	0	0	
SAINT LOUIS	50	34	63	23	42	-4	.3	.8	.4	4.0	52	38.9	117	76	52	0	4	1	0	0	
SPRINGFIELD	55	31	62	20	43	-3	.1	.9	.0	3.8	35	39.3	100	88	54	0	4	2	0	0	
MT BILLINGS	63	39	71	33	51	16	.3	.2	.2	2.0	66	15.0	107	75	30	0	0	0	0	0	
GLASGOW	49	24	66	8	36	7	.2	.1	.2	1.4	79	12.7	121	94	65	0	6	1	0	0	
GREAT FALLS	57	39	61	32	48	14	.0	.2	.0	2.1	87	14.0	99	68	39	0	1	0	0	0	
HAVRE	49	30	62	20	39	10	.3	.0	.0	2.1	111	15.4	148	89	62	0	3	1	0	0	
HELENA	54	31	61	26	42	11	.3	.1	.1	2.0	96	11.0	101	87	51	0	3	0	0	0	
KALISPELL	46	27	52	15	37	6	.4	.1	.3	5.4	190	18.2	128	98	79	0	7	3	0	0	
MILES CITY	56	31	67	26	44	11	.3	.1	.1	1.3	52	12.0	91	94	47	0	5	1	0	0	
MISSOULA	50	33	61	28	41	9	.3	.2	.2	4.3	184	13.3	111	96	70	0	2	2	0	0	
NE GRAND ISLAND	57	32	70	27	44	7	.3	.2	.2	3.9	81	23.6	99	90	51	0	3	1	0	0	
LINCOLN	51	25	67	23	38	-1	.1	.2	.1	4.2	65	23.2	86	96	51	0	7	2	0	0	
NORFOLK	49	25	59	23	37	1	.2	.1	.2	8.2	174	32.8	137	91	58	0	7	2	0	0	
NORTH PLATTE	64	29	73	23	46	11	.3	.1	.1	2.9	97	17.3	93	92	33	0	7	1	0	0	
OMAHA	46	26	56	23	36	-3	.3	.4	.4	4.7	67	26.0	92	97	57	0	7	0	0	0	
SCOTTSBLUFF	62	30	72	28	46	10	.1	.1	.0	2.4	106	16.4	114	94	36	0	6	2	0	0	
VALENTINE	61	29	74	26	45	9	.3	.2	.2	4.7	114	21.8	101	87	36	0	5	0	0	0	
NV ELY	65	25	67	20	45	11	.0	.2	.0	.6	27	10.7	116	72	23	0	7	0	0	0	
LAS VEGAS	77	49	81	45	63	8	.0	.1	.0	.0	0	3.7	103	47	21	0	0	0	0	0	
RENO	71	33	73	29	52	12	.0	.2	.0	.0	0	10.0	163	77	27	0	4	0	0	0	
WINNEMOCCA	68	30	70	21	49	11	.0	.2	.0	.1	5	8.1	116	80	30	0	5	0	0	0	
NE CONCORD	46	25	61	17	35	-2	3.1	2.2	1.6	15.1	184	36.0	113	95	49	0	6	5	3	3	
NJ ATLANTIC CITY	46	27	54	20	36	-10	1.2	.3	1.2	12.5	159	33.5	94	84	50	0	6	2	1	1	
NM ALBUQUERQUE	67	39	72	32	53	9	.0	.1	.0	2.4	109	5.5	67	54	22	0	1	0	0	0	
CLOVIS	69	40	79	36	54	7	.0	.2	.0	2.1	54	9.9	59	73	26	0	0	0	0	0	
ROSWELL	72	38	82	32	55	4	...	...	...	...	...	...	...	74	26	0	1	...	...	...
NY ALBANY	40	27	45	20	33	-7	1.6	.8	.8	13.6	176	31.3	98	93	60	0	6	5	2	1	
BINGHAMTON	31	23	34	19	27	-12	1.3	.5	.7	13.2	162	30.8	94	97	80	0	7	5	1	1	
BUFFALO	36	28	40	26	32	-8	1.3	.4	.7	11.0	124	30.6	92	91	67	0	7	5	1	1	
NEW YORK	49	37	59	34	43	-5	1.4	.5	.8	12.0	138	32.4	87	76	47	0	7	3	2	2	
ROCHESTER	35	28	39	24	32	-9	2.2	1.5	1.1	10.8	151	27.9	99	96	70	0	7	5	2	1	
SYRACUSE	35	29	37	26	32	-9	2.0	1.2	1.0	14.1	153	29.5	86	94	74	0	7	5	1	1	
NC ASHEVILLE	49	26	59	20	38	-10	.1	.9	.1	12.4	108	53.5	107	82	42	0	7	2	0	0	
CHARLOTTE	52	30	59	24	41	-11	.1	.6	.1	13.7	157	46.0	120	85	36	0	5	2	0	0	
GREENSBORO	49	29	56	23	39	-11	.3	.7	.3	11.1	125	39.4	103	77	40	0	5	1	0	0	
HATTERAS	...	...	...	...	...	...	2.1	.9	...	...	...	...	...	...	...	...	...	...	...	...
NEW BERN	56	34	61	28	45	-11	.6	.1	.6	12.0	121	29.6	60	92	46	0	3	2	1	1	
RALEIGH	51	30	57	25	41	-11	.3	.4	.3	15.8	203	46.3	125	86	41	0	6	1	0	0	
WILMINGTON	56	34	63	29	45	-11	.1	.6	.1	17.5	146	62.8	122	93	47	0	2	1	0	0	
ND BISMARCK	40	21	50	15	30	1	.1	.0	.1	2.3	86	18.2	123	95	69	0	7	2	0	0	
FARGO	30	17	36	3	24	-5	.3	.2	.2	5.2	125	20.4	110	85	73	0	7	0	0	0	
GRAND FORKS	29	16	36	2	23	-4	.1	.0	.1	5.4	136	24.9	143	91	70	0	7	2	0	0	
WILLISTON	43	20	59	11	32	4	.3	.1	.1	1.4	58	14.0	108	93	69	0	7	1	0	0	
OH AKRON-CANTON	34	28	41	23	31	-11	.4	.3	.2	7.6	102	33.6	103	94	63	0	7	3	0	0	
CINCINNATI	41	28	51	16	35	-10	.3	.5	.2	8.8	113	40.2	109	90	55	0	5	2	0	0	
CLEVELAND	38	31	42	26	34	-8	.6	.1	.3	9.1	116	37.7	117	92	63	0	5	7	0	0	
COLUMBUS	38	28	46	21	33	-8	.3	.5	.1	7.5	101	43.2	129	90	67	0	5	4	0	0	
DAYTON	38	26	45	17	32	-11	.2	.5	.2	8.9	131	48.7	150	94	65	0	6	3	0	0	

Based on 1961-90 normals.

Weather Data for the Week Ending November 18, 1995

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS						
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Sep 1	PCT. NORMAL SINCE Sep 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																		.01 INCH OR MORE	.50 INCH OR MORE		
TOLEDO	36	27	40	23	32	-9	.6	.0	.5	8.0	122	30.6	106	93	63	0	6	3	1	0	
YOUNGSTOWN	34	28	39	25	31	-10	.4	.3	.2	7.6	96	28.3	85	96	76	0	7	5	0	0	
OK OKLAHOMA CITY	65	36	69	30	50	0	.0	.5	.0	7.9	94	30.7	98	80	35	0	3	0	0	0	
TULSA	62	35	69	31	48	-2	.0	.7	.5	6.9	67	40.8	110	80	36	0	4	1	0	0	
OR ASTORIA	59	48	64	43	53	6	1.6	.8	.5	16.3	113	54.3	105	98	78	0	0	5	5	0	
BURNS	59	31	64	25	45	11	1.1	.2	.0	.4	20	10.3	123	98	55	0	5	3	0	0	
MEDFORD	62	46	71	42	54	10	.3	.6	.1	.9	22	15.2	108	98	45	0	0	4	0	0	
PENDLETON	56	43	67	38	50	8	.4	.0	.2	2.4	103	14.0	143	98	57	0	0	4	0	0	
PORTLAND	61	50	66	47	56	10	.6	.7	.3	9.6	130	32.0	115	95	55	0	0	3	0	0	
SALEM	61	50	67	43	56	11	.6	.9	.4	10.3	127	36.5	123	100	82	0	0	4	0	0	
PA ALLENTOWN	40	25	43	19	32	-11	1.0	.1	.9	13.3	145	35.5	92	90	60	0	6	3	1	1	
ERIE	37	30	40	28	34	-10	1.3	.4	.6	11.3	107	31.6	87	95	62	0	6	6	1	1	
HARRISBURG	40	30	44	23	35	-10	1.9	1.1	1.7	10.4	124	32.2	90	86	58	0	5	4	1	1	
PHILADELPHIA	45	32	50	27	39	-7	.9	.0	.8	12.0	124	28.5	70	87	52	0	4	3	1	1	
PITTSBURGH	36	28	43	23	32	-10	1.2	.5	.5	7.6	108	27.1	83	94	64	0	5	7	0	0	
SCRANTON	36	26	40	22	31	-10	1.4	.7	1.0	12.7	159	27.8	86	91	65	0	7	2	1	1	
RI PROVIDENCE	48	29	62	24	39	-6	2.4	1.3	1.2	14.9	152	35.8	91	86	48	0	5	4	2	2	
SC CHARLESTON	59	35	67	33	47	-12	1.1	.5	.1	12.9	143	48.0	102	87	41	0	0	1	0	0	
COLUMBIA	58	31	65	27	45	-10	.1	.5	.1	11.7	139	52.5	116	91	36	0	5	1	0	0	
FLORENCE	59	33	64	27	46	-10	.5	.6	.5	12.9	172	44.0	111	90	34	0	3	0	0	0	
GREENVILLE	53	30	56	24	41	-11	1.1	.8	.1	12.7	125	57.5	126	87	35	0	5	2	0	0	
SD ABERDEEN	39	21	46	13	30	0	.5	.1	.5	4.8	124	23.3	114	91	68	0	7	1	0	0	
HURON	41	23	48	17	32	-1	1.1	.0	.1	5.5	148	29.3	151	94	66	0	7	1	0	0	
RAPID CITY	60	29	64	25	45	10	0.0	.1	.0	3.3	121	19.1	120	85	37	0	7	0	0	0	
SIOUX FALLS	39	24	51	19	31	-2	1.1	.2	.1	4.7	85	30.0	132	96	51	0	7	1	0	0	
TN CHATTANOOGA	50	29	62	25	39	-11	1.2	.9	.2	16.8	168	50.8	110	90	43	0	6	1	0	0	
KNOXVILLE	48	28	61	23	38	-11	1.2	.7	.1	10.5	131	38.7	94	85	47	0	6	2	0	0	
MEMPHIS	52	36	64	28	44	-9	.2	1.0	.1	8.9	94	48.5	110	90	52	0	1	2	0	0	
NASHVILLE	50	31	64	22	41	-10	.5	1.0	.5	14.3	170	46.3	113	88	49	0	5	1	0	0	
TX ABILENE	70	42	78	36	56	1	1.2	.1	.2	3.7	55	22.9	100	78	37	0	0	1	0	0	
AMARILLO	68	34	83	31	51	5	0.0	.2	.0	3.1	80	17.5	93	79	29	0	2	0	0	0	
AUSTIN	71	47	78	34	59	-2	1.2	.6	1.2	7.3	88	33.2	114	88	41	0	0	1	1	1	
BEAUMONT	69	49	78	36	59	-2	.5	.7	.4	10.0	75	49.7	99	95	52	0	0	2	0	0	
BROWNSVILLE	76	61	82	50	68	-1	1.7	1.3	.9	12.8	131	28.0	113	90	55	0	0	2	2	2	
CORPUS CHRISTI	74	58	84	47	66	0	3.0	2.7	2.3	17.1	178	36.3	128	88	49	0	0	3	2	2	
DEL RIO	72	51	87	40	62	2	1.1	.8	.8	6.3	95	14.7	63	76	44	0	0	3	1	1	
EL PASO	71	40	75	34	56	3	0.0	.1	.0	3.5	125	7.9	96	73	26	0	0	0	0	0	
FORT WORTH	68	41	73	35	55	0	0.0	.6	.0	3.0	29	33.3	97	79	35	0	0	0	0	0	
GALVESTON	69	59	76	52	64	0	1.5	.7	1.5	8.7	81	33.4	89	85	60	0	0	2	1	1	
HOOVER	71	48	79	34	60	-1	.4	.9	.4	6.9	52	37.6	80	89	50	0	0	1	0	0	
LOBBACK	70	36	85	32	53	3	0.0	.2	.0	8.7	174	18.5	103	76	28	0	1	0	0	0	
MIDLAND	70	42	80	36	56	3	0.0	.2	.0	2.1	42	10.7	74	77	35	0	0	0	0	0	
SAN ANGELO	70	41	76	34	56	0	1.6	1.4	1.6	5.8	88	21.0	108	86	43	0	0	2	1	1	
SAN ANTONIO	72	47	83	33	59	-1	1.7	.1	.6	5.5	67	21.6	76	87	43	0	0	2	1	1	
VICTORIA	74	52	84	36	63	0	1.2	.4	1.2	8.9	68	30.4	74	90	42	0	0	2	1	1	
WACO	69	39	79	29	54	-4	1.0	.4	1.0	5.5	66	35.3	121	87	40	0	1	1	1	1	
WICHITA FALLS	69	39	76	35	54	1	0.0	.4	.0	5.8	68	25.7	86	78	33	0	0	0	0	0	
UT CEDAR CITY	69	33	71	30	51	11	1.0	.3	.0	1.2	47	11.6	111	63	21	0	3	0	0	0	
SALT LAKE CITY	63	39	66	34	51	10	.5	.3	.5	2.6	74	15.6	109	85	38	0	0	1	0	0	
VT BURLINGTON	43	27	63	19	35	-2	2.0	1.3	1.2	11.8	146	29.3	95	91	55	0	6	6	1	1	
VA NORFOLK	52	34	56	29	43	-10	.5	.1	.4	12.7	146	33.9	84	85	47	0	2	3	0	0	
RICHMOND	47	31	51	27	39	-11	.5	.3	.4	11.5	131	32.4	84	88	51	0	5	2	0	0	
ROANOKE	46	30	57	27	38	-9	.3	.5	.1	7.5	81	36.8	100	78	41	0	5	2	0	0	
WA QUILLAYUTE	55	46	61	39	51	7	4.0	.6	2.0	27.3	114	81.6	98	99	88	0	0	7	2	2	
SEATTLE-TACOMA	58	48	65	46	53	8	.7	.7	.2	9.9	117	30.9	107	94	75	0	0	5	0	0	
SPOKANE	52	41	59	36	46	11	2.2	.4	.1	4.3	149	18.6	142	96	79	0	0	3	0	0	
YAKIMA	52	37	59	31	44	6	.6	.2	.5	1.1	79	7.1	117	97	82	0	2	0	0	0	
WV BECKLEY	36	27	50	19	32	-12	.6	.1	.4	9.7	121	38.2	104	88	68	0	6	3	0	0	
CHARLESTON	42	31	56	23	36	-11	.6	.2	.5	7.6	92	41.7	111	94	68	0	5	3	1	1	
HUNTINGTON	43	32	55	21	37	-8	.4	.4	.2	7.9	94	38.4	100	83	57	0	4	3	0	0	
PARKERSBURG	40	30	51	23	35	-10	.5	.1	.4	6.3	87	..	..	95	61	0	6	3	0	0
WI GREEN BAY	33	20	37	17	26	-9	.2	.3	.2	9.7	137	28.0	106	86	55	0	7	3	0	0	
LACROSSE	35	23	39	16	29	-7	1.1	.4	..	6.5	93	28.9	101	87	52	0	7	..	..	..
MADISON	33	20	38	10	27	-10	.5	.5	.5	7.9	106	31.5	106	86	58	0	7	0	0	0	
MILWAUKEE	33	21	36	17	27	-11	1.1	.5	.1	8.2	112	29.0	98	87	58	0	7	2	0	0	
WAUSAU	32	18	35	12	25	-8	.2	.3	.2	7.4	90	32.6	106	83	51	0	7	1	0	0	
WY CASPER	58	32	64	27	45	12	2.2	.0	.2	4.1	172	18.5	160	83	41	0	5	2	0	0	
CHEYENNE	56	34	64	28	45	10	1.1	.1	.1	4.3	184	19.7	143	82	42	0	5	1	0	0	
LANDER	59	33	65	28	46	15	0.0	.2	.0	3.1	112	18.1	149	73	29	0	4	0	0	0	
SHERIDAN	61	31	72	25	46	13	.5	.2	.5	4.2	137	16.6	123	87	35	0	5	0	0	0	
PR SAN JUAN	88	74	90	73	81	1	.3	1.1	.1	15.6	107	51.1	113	89	64	1	0	4	0	0	

Based on 1961-90 normals.

National Agricultural Summary

HIGHLIGHTS for November 13 - 19, 1995

Widespread rains in the Eastern States left muddy fields, delayed small grain seeding, and curtailed closing harvest activity. Chilly weather across most of

the East slowed small grain development. Continued dry conditions prevailed in the Central and Western States suppressing small grain growth.

The winter wheat crop in the 19 major producing States was 88 percent (%) emerged, 3 percentage points behind this time last year. The winter wheat condition was mostly good to fair, down slightly from last week. Wheat condition declined in Texas as a result of persistent dry weather that slowed growth on dryland fields. Dry conditions continued in Missouri where wheat was 87% emerged, up 11 points from the previous week.

Cotton harvested at 77% complete was up 6 points from last week and 1 point behind the 5-year average for the Nation. The cotton harvest was active in Oklahoma, but remained 28 points behind normal. California cotton harvested at 85% complete was up 15 points from last week but 11 points behind the average. A hard freeze in the Texas plains reduced the need for chemical defoliation. Producers in the Texas Low Plains were waiting for a freeze.

Winter Wheat Percent Emerged				
	Nov 19 1995	Prev Week	Prev Year	5-Yr Avg
AR	73	63	76	71
CA	10	7	19	17
CO	98	98	100	99
GA	28	19	16	20
ID	92	89	85	90
IL	97	95	95	91
IN	97	95	100	93
KS	95	93	98	93
MI	98	94	98	94
MO	87	76	85	81
MT	91	*85	92	92
NE	100	100	100	100
NC	44	34	58	51
OH	100	94	94	95
OK	83	78	96	88
OR	84	76	86	91
SD	96	96	100	100
TX	76	72	82	81
WA	96	89	82	92
ALL	88	84	91	88

These 19 States produced 92% of the 1994 winter wheat crop.
* Revised.

Cotton Percent Harvested				
	Nov 19 1995	Prev Week	Prev Year	5-Yr Avg
AL	92	90	79	89
AZ	75	70	95	92
AR	99	96	93	94
CA	85	70	94	96
GA	83	75	68	80
LA	100	100	98	98
MS	100	100	94	95
MO	96	93	96	94
NM	67	56	71	61
NC	74	64	83	80
OK	33	26	80	61
SC	72	61	75	84
TN	89	84	91	93
TX	60	54	70	60
ALL	77	71	81	78

These 14 States produced 99% of the 1994 cotton crop.

Winter Wheat Crop Condition by Percent					
	VP	P	F	G	EX
AR	1	4	33	57	5
CA	0	0	30	70	0
CO	3	5	26	60	6
GA	0	0	23	76	1
ID	0	0	11	75	14
IL	2	6	34	54	4
IN	0	5	26	58	11
KS	4	19	35	38	4
MI	1	4	20	61	14
MO	2	12	50	34	2
MT	0	1	10	77	12
NE	0	2	35	61	2
NC	0	11	26	59	4
OH	0	1	24	61	14
OK	1	7	47	43	2
OR	0	0	8	85	7
SD	0	4	18	67	11
TX	6	22	53	18	1
WA	0	4	18	72	6
ALL	2	11	35	47	5
Prev Wk	1	9	36	48	6
Prev Yr	1	5	26	57	11

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. The crop weather reports are also available on the Internet through the NASS Home Page on the World Wide Web at "http://www.usda.gov/nass/".

ALABAMA: Rainfall 0.03 to 0.27 in. north; none to 0.43 in. central; 0.01 to 0.23 in. south. Temperatures 2 to 11° below normal statewide. Lows 21 to 34° north; 23 to 31° central; 24 to 34° south. Highs 64 to 73° north, 66 to 73° central; 70 to 75° south.

Days suitable for fieldwork 3.5. Topsoil 62% adequate, 38% surplus. Sorghum harvested 75%, 81% 1994, 94% avg. Wheat planted 62%, 79% 1994, 67% avg. Activities: Harvesting row crops, vegetables. General care of livestock, poultry, catfish.

ARIZONA: Temperatures 2° below to 10° above normal. Extremes 21°; 81° higher elevations; 34°; 89° deserts. Precipitation at Douglas 0.01 in.

Cotton continues growing as unseasonably warm weather continues. Alfalfa 4% very poor, 5% poor, 16% fair, 67% good, 8% excellent. Harvest 40% light, 11% moderate, 27% active, 22% finished or between cuttings. Sheepling off increasing. Vegetable, melon crops harvested from central areas included cantaloupe, honeydews, broccoli, green onion, mixed greens, head, leaf lettuce, kale, spinach, radishes. Head lettuce, tomatoes were shipped from eastern areas. Harvest of leaf, Romaine, head lettuce in western areas was active. Cantaloupe, honeydews, watermelons were harvested in western areas. Grapefruit, lemons continued to be harvested from central, western groves. Navel orange, tangerine harvest made steady progress in central areas. Pistachios, pecans were available from eastern groves.

ARKANSAS: Temperatures below to normal with scattered showers during the first half of the week. Extremes 22°; 76°. Precipitation none to 0.69 in.

Main farm activities: Picking, ginning cotton, harvesting soybeans, planting wheat, oats. Picking, ginning cotton continued. Cotton ginning was ongoing 24 hours a day. Several gins have completed ginning for the season. Soybean harvest progressed across the state. Wheat, oats, fall pasture planting continued. Hay feeding was ongoing as pastures continued to suffer from heat stress.

CALIFORNIA: High pressure most week, created well above normal temperatures, most areas. Occasional weak systems, accompanied by light precipitation, brushed northernmost parts. Along coast, low clouds, fog became dense enough to cause some drizzle.

Field activities, excellent progress favorable weather, most areas. Rice harvest, virtually complete. Rice stubble chopped, disced, flooded, burned where conditions permitted. Cotton harvest winding down, San Joaquin, Sacramento valleys. Most harvested cotton fields, immediately shredded, disced for pink bollworm control. Some San Joaquin Valley growers planned second pick, late opening, low positioned bolls. Few isolated desert area fields not harvested yet. Harvest corn for grain, silage neared completion. Dry bean harvest still underway, late planted fields. Sugarbeets planted, Fresno County. Ground preparation, pre-irrigation, fall-planted small grains, forage crops ongoing. Wheat, barley, oats, winter forages, new alfalfa seeded where soil moisture conditions permitted. Dryland small grain fields badly needed rain. Established alfalfa cut for hay, greenchopped. Picking avocado, kiwifruit, Granny Smith apples continued. Table grape harvest neared completion. Persimmon, pomegranate, pecan picking remained active. Pruning nut, stone fruit orchards accelerated. Navel orange harvest continued, slow pace; maturity behind normal; sizes small. Satsuma mandarins, tangerines picked, San Joaquin Valley. Lemon, grapefruit harvest continued. Broccoli, cauliflower harvested, Salinas-Watsonville area, San Joaquin Valley. Onions planted Fresno, Tulare, Kings counties. Cabbage harvested, San Joaquin Valley. Melons picked, Imperial Valley. Spinach planted, Stanislaus County. Garlic planted, Tulare, Fresno counties. Sonoma County leeks harvested. Fresh market tomatoes harvested, Stanislaus County. Ground preparation 1996 processing tomatoes started, Colusa, Stanislaus counties. Head lettuce harvest continued; good quality noted, San Joaquin Valley, central coast area. Sweet potato harvesting continued, San Joaquin Valley. Other crops harvested: Cucumbers, chili peppers, sweet corn, zucchini, eggplant, squash, beans, sugar peas, okra, assorted oriental vegetables, gourds, carrots, parsley, celery. Ranchers expressed concern over unseasonably dry, warm conditions, most areas. Rain needed, initiate germination new forage. Pasture, feed conditions continued deterioration; weather remained dry. Supplemental feeding, moderate; movement livestock, heavy. Sheep grazed fields, grain stubble, old stands alfalfa. Cattle, sheep remained good condition.

COLORADO: No weather data available.

Major farm activities: Farmers are finishing up late harvest of corn, sorghum, plowing fields, caring, feeding livestock.

DELAWARE: Precipitation 2.88 in., normal 0.83 in. Temperature 41.8°, normal 48.3°. Extremes 25°; 68°. High temperatures mid 40s to upper 60s. Lows in the mid 20s to about 30°.

Days suitable for fieldwork 3.7. Topsoil 90% adequate, 10% surplus. Subsoil 34% short, 66% adequate. Soybeans 69% harvested, 81% 1994, 82% avg. Barley 76% good, 24% excellent. Rye 83% good, 17% excellent; 89% planted, 91% 1994, 95% avg. Wheat 2% fair, 74% good, 24% excellent.

FLORIDA: A northwest flow behind a strong low pressure area off the mid Atlantic Coast brought windy and much colder weather to the State Tuesday. Despite sunshine, maximum temperatures reached only into the upper 50s and low 60s northwest Florida to low and mid 70s extreme south. Freezing temperatures occurred over the Panhandle and Big Bend Tuesday night with scattered frost over the Panhandle. Light winds Wednesday night allowed widespread frost to form over much of north Florida with scattered frost into the colder areas of central Florida. Minimums were mostly in the low and mid 30s north. A weak cool front moved across the State early in the weekend but it had little impact on the weather. Dry conditions continued except for isolated light showers along the mid and lower Atlantic Coast.

Topsoil moisture was mostly adequate throughout the State with scattered areas of short moisture. The first frost of the season occurred in the Panhandle and northern Peninsula this past week. Cotton harvest was slowed by wet weather. Peanut harvest was virtually complete. Sugarcane harvest and planting was active. Soybean harvest was active. Hay making was winding down. Farmers are planting wheat for grain. The overall condition of the State's pastures was improved from the previous week as most pastures in southern part of the Peninsula dried out. There still are pastures with standing water in the southwest area. Winter pasture (small grains) has been planted in the north. Ranchers have started to feed hay in the northern area. There was very little if any rain throughout the citrus belt during the week. The cool weather will slow new tree growth rates which is very desirable at this time of year. Vegetable harvest continued to increase over the southern Peninsula.

GEORGIA: Temperatures 6 to 11° below normal. Warmest in upper 60s to mid 70s except a few mid 60s mountains. Coolest in teens to mid 20s in the northern quarter, mostly upper 20s to low 30s elsewhere. Rained on either zero or just one day most locations. Rain totals less than 0.20 in. most stations. Heaviest rain 0.72 in. at Newnan.

Days suitable for fieldwork 4.4. Soil moisture 3% short, 74% adequate, 23% surplus. Weather again slowed harvest, hard freezes limited pasture, small grain growth requiring earlier than normal feeding of hay to cattle. Hard freezes ended supply of summer, most fall vegetables. Planting small grains when conditions allow. Cotton 8% poor, 63% fair, 29% good. Peanuts 99% threshed, 100% 1994, 100% avg. Rye 93% planted, 88% 1994, 85% avg. Sorghum 1% poor, 78% fair, 21% good; 92% harvested for grain, 94% 1994, 93% avg. Soybeans 1% very poor, 10% poor, 46% fair, 43% good; 48% harvested, 60% 1994, 71% avg. Wheat 42% planted, 31% 1994, 33% avg. Other small grains 2% poor, 26% fair, 71% good, 1% excellent; 74% planted, 80% 1994, 68% avg. Onions 41% fair, 59% good; 23% transplanted, 27% 1994, 31% avg. Other vegetables 7% poor, 62% fair, 31% good. Apples 99% harvested, 100% 1994, 98% avg. Pecans 1% very poor, 5% poor, 64% fair, 30% good; 55% harvested, 59% 1994, 57% avg. Pasture feed 11% poor, 41% fair, 47% good, 1% excellent. Cattle 31% fair, 69% good. Hogs 30% fair, 70% good. Activities: Harvesting vegetables, preparing tobacco beds, spraying late fall vegetables, routine care of livestock, poultry.

HAWAII: Fair conditions. Cold front north of State pulled light showers across island chain early part of week. Replaced by weak high pressure system, light trade winds, with temperatures topping record daily highs as week progressed. Temperatures upper 60s to lower 90s. Rainfall none to 2.60 in.

Vegetable crops fair to good condition. Cleanup efforts continue on Kauai from previous week's flooding. Voluntary water conservation measures still in effect in some areas on other islands.

IDAHO: Temperatures 3° above normal to 13° above normal. Precipitation 0.15 to 0.59 in. north, 0.30 to 0.99 in. southwest, 0.19 to 0.92 in. south central, 0.01 to 0.37 in. southeast. All areas received precipitation. Extremes 22°; 76°.

Days suitable for fieldwork 4.0. Topsoil 21% short, 67% adequate, 12% surplus. Hay, roughage supply 2% short, 93% adequate, 5% surplus. Corn harvested for grain 55%, 89% 1994. Activities: Harvesting corn for grain, fall tillage, fertilization, repairing equipment, sorting, marketing calves, feeding livestock.

ILLINOIS: Weather data unavailable.

Topsoil 3% very short, 18% short, 73% adequate, 6% surplus. Corn 99% harvested, 95% 1994, 93% avg. Sorghum 96% harvested, 97% 1994, 93% avg. Field activities limited by wet fields, cold weather. Most farmers had already completed harvest, fall tillage, fertilizer application. Germination, growth of wheat has not been good in some areas because of dryness at the time of seeding, cool weather during the fall.

INDIANA: Cloudy weather, below normal temperatures prevailed. Minimal precipitation around State. Light snow, icy conditions over most central areas of State on 16th. Minimum temperatures mostly low 20s north to lower 30s central, southern areas. Maximum temperatures mid to upper 30s central, north to mid 40s most southern areas.

Corn harvest slowed due to wet fields, poor harvesting conditions. Major activities: Attending meetings, processing tobacco, fall tillage, repairing, winterizing equipment, selling grain, chopping stalks, spreading fertilizer and lime, hauling manure, record keeping, mending fence, care of livestock.

IOWA: A cool dry week with a gradual warming trend. Temperatures near normal northwest to 5° below normal east. Extremes 11° Cresco 14th; 67° Cedar Rapids, Williamsburg 19th. Light mix of rain, snow west one-third 14th otherwise only sprinkles. Precipitation trace east two-thirds to 0.16 in. Onawa west central; state average 0.01 in., normal 0.41 in.

KANSAS: Temperature varied across the State. In the western districts temperature 2 to 9° above normal while in the eastern districts averages dipped to as much as 5° below normal. Precipitation was light across the State.

Days suitable for fieldwork 5.8. Topsoil 22% very short, 55% short, 23% adequate. Subsurface 12% very short, 42% short, 46% adequate. Wheat seeding is complete across the State. Wheat acreage being pastured, 3%, 12% 1994, 8% avg. Wheat emergence, growth has been hampered by dry conditions. Southeastern quadrant of the State is particularly dry. Grazing is reduced in most areas because of inadequate growth. Fall harvest is virtually complete. Stockmen continue to graze cattle on crop residue. Supplemental feeding of livestock has been necessary in most areas because of short grazing. Stockwater supplies are short or becoming so in some areas.

KENTUCKY: High temperatures mid 40s to low 50s across State. Lows mid 20s to upper 30s. Daily high temperatures managed to reach low 60s for southern locations 18th, 19th. But even with moderate temperatures at weeks end, temperatures for week generally 6 to 10° below normal. Precipitation light, yet most stations reported amounts of 0.10 to 0.50 in. of rainfall. The beginning of the work week saw snow flurries, cold temperatures with eastern, northern areas experiencing some light snow. Rainfall 0.50 to 1.00 in. below normal.

Completion of corn, soybean harvest slowed some by wet conditions, most producers finished. Early seeded wheat good to excellent. Adequate moisture for germination of late seeded wheat, cold temperatures limiting growth. Burley tobacco farmers stripping, transporting to markets, sales begin November 20th. Cattle producers most areas feeding hay, pasture condition poor to excellent.

LOUISIANA: Temperatures 5 to 8° below normal. Extremes 27°; 77°. Rainfall 0.02 in. southeast to 0.24 in. southwest.

Days suitable for fieldwork 5.3. Soil moisture 1% very short, 12% short, 73% adequate, 14% surplus. Pecans 4% very poor, 21% poor, 56% fair, 18% good, 1% excellent; 50% harvested, 53% 1994, 56% avg. Soybeans 100% harvested, 93% 1994, 94% avg. Drier conditions allowed soybean producers to finish harvesting. Sugarcane 1% very poor, 4% poor, 26% fair, 58% good, 11% excellent; 51% harvested, 54% 1994, 52% avg. Sugarcane harvest was

slowed by wet conditions. Sweet Potatoes 93% harvested, 90% 1994, 93% avg. A few sweet potato fields were damaged by frost. Wheat 6% poor, 59% fair, 34% good, 1% excellent; 83% planted, 72% 1994, 70% avg.; 59% emerged, 58% 1994, 57% avg. Wheat planting continued with growers taking advantage of almost ideal conditions. Vegetables 4% very poor, 17% poor, 42% fair, 36% good, 1% excellent. Pepper producers began preparing ground for spring planting. Livestock 6% poor, 37% fair, 53% good, 4% excellent. Pasture feed 2% very poor, 20% poor, 40% fair, 35% good, 3% excellent. Livestock producers were active fertilizing winter pastures.

MARYLAND: Precipitation 2.62 in. normal 0.76 in. Temperature 40.3°, normal 47.1°. Extremes 23°; 71°. Low temperatures mainly low 20s to mid 30s. Highs were mainly in the mid 40s to low 70s.

Days suitable for fieldwork 2.5. Topsoil 62% adequate, 38% surplus. Subsoil 7% short, 75% adequate, 18% surplus. Soybeans 76% harvested, 85% 1994, 80% avg. Tobacco 33% stripped, 22% 1994, 24% avg. Barley 2% very poor, 9% poor, 17% fair, 49% good, 23% excellent. Rye 2% poor, 6% fair, 70% good, 22% excellent; 95% planted, 95% 1994, 94% avg. Wheat 6% very poor, 9% poor, 14% fair, 45% good, 26% excellent; 94% planted, 93% 1994, 92% avg. Alfalfa hay 57% 5th cutting, 82% 1994, 77% avg. Hay supplies mostly adequate. Activities: Harvesting of field crops, planting of small grains, preparations for winter.

MICHIGAN: Snow throughout the State stopped fieldwork for the week. Fields were snow covered for the majority of the week.

Only a small percentage of corn still remains to be harvested. Livestock was in good condition with feed supplies good to excellent. Major activities for the week were cleaning, repairing equipment, deer hunting.

MINNESOTA: Temperatures averaged 2 to 5° below normal for State. Extremes -12°; 51°. Precipitation 0.26 in. below normal across the State. Greatest weekly total 0.28 in.

Farmers busy harvesting corn, soybeans in areas too wet to harvest until ground froze.

MISSISSIPPI: Temperatures 7° below normal for the week. Extremes 25°; 76°. Soil temperatures 52°. Precipitation 0.13 in., 0.96 in. below normal. Rainfall was minimal throughout the entire State.

Days suitable for fieldwork 4.0. Soil moisture 1% very short, 4% short, 82% adequate, 13% surplus. Pecans 46% harvested, 71% 1994, 46% avg.; 22% very poor, 19% poor, 32% fair, 25% good, 2% excellent. Cattle 2% very poor, 7% poor, 29% fair, 51% good, 11% excellent. Main farming activities: Harvesting soybeans, planting winter wheat. Cooler temperatures are slowing ryegrass development.

MISSOURI: Temperatures below normal across most of the State, 3 to 5° below normal at most locations, with temperatures at Caruthersville 10° below normal. Precipitation 0.11 in., ranging from none to virtually no precipitation north-central, northeast, east-central, southwest, to 0.27 in. southeast.

Days suitable for fieldwork 3.8. Topsoil 15% very short, 21% short, 61% adequate, 3% surplus. The most severe shortages remain in the southwestern district, which reports 80% very short, 17% short. Central, west-central districts are reporting significant shortages as well. Farmers were able to make significant corn, sorghum harvesting progress during the past week, as the 1995 harvest nears an end. Ninety-four percent of the corn crop has been harvested, 5 days ahead of both last year's, 5-year average 91%. Harvesting progress across the State around 90% across the northern third of the State, near completion across the central third, to completion across the southern third of the State. Ninety-five percent of the sorghum crop has been harvested, ahead of both 91% 1994, 92% avg. Northeastern district at 82% harvested is the least advanced, while the southeastern district has been virtually complete since mid-October. Dry weather conditions continue to hinder the emergence of the winter wheat crop in the southwestern district, which reports only 50% emerged. Thirty-seven percent of the ground intended for spring crops has been worked at least once, compared with 29% 1994, 35% avg.

MONTANA: A cold front at the beginning of the week brought some bitter cold temperatures, widespread snow to the northern half of the State. By mid-week temperatures returned to the upper 50s to 60s. Another strong pacific cold frontal system returned at the end of the week bringing strong winds over most of western areas.

Days suitable for fieldwork 3.9. Topsoil 3% very short, 30% short, 62% adequate, 5% surplus. Subsoil 2% very short, 31% short, 67% adequate, 0% surplus. Cattle, calves moved from summer ranges, 94%. Sheep, lambs

moved from summer ranges, 95%. Livestock receiving supplemental feed, cattle, calves 21%; sheep, lambs 26%.

NEBRASKA: Temperatures 11 to 12° below normals across the State. Precipitation 0.10 in. southwest to around 0.75 in. eastern one-third of the State.

Days suitable for fieldwork 3.4. Topsoil 1% very short, 19% short, 71% adequate, 9% surplus. Subsoil 3% very short, 34% short, 62% adequate, 1% surplus. Harvest progress was delayed last week due to wet weather conditions. Early in the week, snow, rain, damp conditions kept harvest at a slow pace or standstill. Later, harvesting picked up where soils had dried or frozen. Corn harvesting in the southern Panhandle, southwest was least advanced. Some reports from the southwest, central, eastern counties indicated higher than normal ear droppage due to wind received last week. Wheat: rain, snow last week brought additional moisture to many fields across the State, should help crop growth, development.

NEVADA: Above normal to record high temperatures with little to no precipitation dominated the State last week. The only exception was a weak cool front which brought a few showers to the extreme northeast on 19th, another weak front which brought some clouds, wind to northern, central areas on 18th. Temperatures 11° above normal throughout the State except for the extreme southern portion of the State 9° above normal. Extremes 14° Ruth, 88° Overton. Mountain City received the most precipitation 0.47 in., Jackpot received 0.28 in.

Fall seeded crops continued to benefit from extended fall weather. Alfalfa haying remained active in the extreme south. Aftermath grazing of alfalfa fields was common in the north. Planting of new alfalfa fields, sudan haying continued in the south. Garlic seedling for 1996 was emerging. Pistachio harvest was approaching completion in the south. Weaning, movement of livestock from fall ranges continued. Vaccination, pregnancy testing of cows was underway. Mostly open weather forestalled winter feeding needs. Main farm, ranch activities: Finishing haying, moving/working/marketing livestock, hauling hay.

NEW ENGLAND: Precipitation 1.03 to 3.50 in. north, 0.60 to 3.27 in. south. Temperatures 31 to 38° north, 29 to 37° south. Maximum temperatures 43 to 60° north, 32 to 54° south. Minimum temperatures 10 to 22° north, 16 to 28° south.

Major farm activities: Greenhouse operators digging nursery stock, Xmas tree growers mowing weeds, preparing for the holiday season. Picking field corn for grain, cleaning up around farmsteads, pumping out manure pits.

NEW JERSEY: Temperatures much below normal, averaging 35° north, 38° south, 41° in the coastal areas. Extremes 18° at Newton, Trenton on the 17th, 61° Long Branch on the 15th. Precipitation much above normal, averaging 1.37 in. north, 1.68 in. south, 1.54 in. coastal sections. The heaviest 24-hour total 3.00 in. on the 14th to 15th at Toms River. The heaviest 24-hour snowfall 3 in. at Newton on the 14th to 15th.

Days suitable for fieldwork 4. Late fall vegetable, corn harvesting nearing completion. Soybean harvest continuing as weather permits. The planting of fall cover crops virtually complete. Pasture condition reported as fair to good.

NEW MEXICO: Experienced a warm, dry week, with no precipitation anywhere. Statewide temperature between 5 to 6° above normal. Extremes 14° Gallup on 18th, 19th; 82° at Carlsbad, Deming, Roswell on the 13th.

Days suitable for field work 6.7. Soil moisture 32% very short, 56% short, 12% adequate. Alfalfa 1% poor, 16% fair, 76% good, 7% excellent. Corn 10% poor, 30% fair, 58% good, 2% excellent. Cotton 1% very poor, 1% poor, 28% fair, 53% good, 17% excellent; 67% harvested, 71% 1994, 61% avg. Sorghum 35% very poor, 27% poor, 19% fair, 19% good; 91% mature, 100% 1994, 100% avg; 64% harvested, 84% 1994, 67% avg. Wheat 7% very poor, 13% poor, 50% fair, 29% good; 30% grazed. Chile 10% very poor, 14% poor, 32% fair, 33% good, 11% excellent. Pecans 1% very poor, 1% poor, 25% fair, 26% good, 47% excellent. Cattle 2% very poor, 18% poor, 41% fair, 38% good, 1% excellent. Sheep 21% poor, 36% fair, 34% good, 9% excellent.

NEW YORK: Snowfall most areas of the State with accumulations. Rainfall mixed with snow fell in many areas making roads hazardous. Unusually cool most of the week.

Corn for grain harvest continued. Apple growers grading, packing, moving apples into storage. Onions being moved into storage. Potatoes being graded, packed. Cider making in full swing. Other major activities: Caring for livestock, orchard clean-up, hauling manure, machinery maintenance, storing equipment for winter.

NORTH CAROLINA: Statewide rainfall averaged 1.04 inches, 0.33 of an inch above normal. Rosman reported a high of 2.85 inches of rain. Average temperature for the state was 41°, 10° below normal. The maximum average high temperature for the week was observed to be 59° in Wilmington. A minimum average low temperature of 15° was reported in Belhaven.

Harvest of soybeans and cotton continue to lag nearly one week behind normal as the state continues to receive excess moisture. Snowfall added to the wet conditions in the Mountain region. Some areas in the Piedmont and Coastal regions have been able to continue harvest of row crops and planting of small grains due to a drying effect caused by windy conditions. Soil moisture is rated 43 percent adequate and 57 percent surplus. Statewide, 4.1 days were suitable for fieldwork. Activities for the week included: harvesting row crops; harvesting vegetables; cutting hay; planting small grains; fall plowing; Christmas tree harvest; tending livestock; repairing equipment and general farm maintenance.

NORTH DAKOTA: West had above normal temperatures while the entire State was drier than normal. Temperatures 6° below normal northeast to 5° above normal southwest. Extremes -9° north central; 66° southwest. Precipitation 0.01 in. east central to 0.11 in. northwest.

Harvest of remaining corn, sunflower slowed by snow cover. However, warm temperatures late in the week melted some snow. Producers are finished with tillage until spring as many fields are too frozen. Other activities included moving hay, marketing grain, livestock.

OHIO: Precipitation less than a quarter to a bit more than half an in. At least traces of precipitation were reported at most locations. Temperatures moderated from last week with average lows in the mid to low 30s north to mid 40s south. Highs were generally in the mid to upper 40s. Extremes 18°; 53°.

Less than 5% of corn acreage remains to be harvested.

OKLAHOMA: Precipitation none all districts, except north central, northeast, east central districts which reported a trace.

Days suitable for fieldwork 6.7. Topsoil 36% very short, 51% short, 13% adequate. Subsoil moisture 13% very short, 46% short, 41% adequate. Wheat 5% grazed, 25% 1994, 16% avg.; Soybeans 98% mature, 98% 1994, 99% avg.; 82% harvested, 80% 1994, 81% avg.; Peanuts 95% dug, 93% 1994, 90% avg.; 92% combined, 87% 1994, n/a avg.; Alfalfa 73% 5th cutting, 92% 1994, 89% avg.; 13% 6th cutting, 33% 1994, 22% avg. Livestock 4% poor, 26% fair, 69% good, 1% excellent. Feeder steers, heifers steady to \$1/cwt higher.

OREGON: Temperatures well above normal, statewide. Precipitation 4.00 in. southwest, 3.90 in. northern Cascades, north central 0.60 in., south central 0.50 in., elsewhere more than 0.10 in.

Soil moisture mostly adequate to surplus. Columbia region: winter cereal grain seeding complete. Eastern potato harvest complete. Klamath Basin: Potato, sugarbeet harvest mostly complete. Willamette Valley: Winter cereal grain planting mostly complete, beet, carrot, other cole crops harvest continued, nurseries balling evergreens for shipment, Christmas tree harvest underway. Orchard cleanup continued. Livestock good-excellent. Western pasture growth continued.

PENNSYLVANIA: Snow over most of State. Snowfall 8 to 30 in. depending on location. Temperature 31°. Extremes 14°; 51°. Precipitation 1.50 in.

Days suitable for fieldwork 2.4. Soil moisture 1% very short, 8% short, 61% adequate, 30% surplus. Soybeans 80% harvested, 86% 1994, 80% avg. Fall plowing 90% complete, 97% 1994, 94% avg. Alfalfa 4th cutting 89% complete, 92% 1994, 90% avg. Quality of hay made 52% very poor, 23% poor, 16% fair, 9% good. Activities: Harvesting corn grain, soybeans; making hay; cutting haylage; plowing; filling silos; fixing fences; machinery maintenance, storing; hauling manure; caring for livestock.

PUERTO RICO: The island average rainfall of 0.80 in. was 0.62 in. below normal. The highest weekly total rainfall was 2.97 in. at Corozal AES. The highest 24-hour total was 2.62 in. at Corozal AES on November 16. At WSFO San Juan, mean temperature was 80.9°, which is 0.9° above normal, and total rainfall was 0.33 in., which is 1.07 in. below normal. Temperatures averaged about 78-79° on the coasts and 73-75° in the interior. The extremes were 93° at San Sebastian 2WNW on November 14, and 55° at Maricao 2SSW on November 11.

SOUTH CAROLINA: Temperatures 8 to 10° below normal. Extremes 20°; 75°. Rainfall 0.10 in.

Days suitable for fieldwork 5.01. Soil moisture 77% adequate, 23% surplus. Cotton harvest well behind normal, some improvement with drier conditions, 72% harvested, 75% 1994, 84% avg. Sorghum 79% harvested, 77% 1994, 84% avg.; 7% poor, 26% fair, 67% good. Peanuts 96% harvested, 97% 1994, 98% avg.; condition 40% fair, 60% good. Sweet potatoes 59% harvested, 64% 1994, 83% avg.; 77% fair, 23% good. Apples 96% harvested, 100% 1994, 100% avg.; 100% good. Livestock 4% poor, 17% fair, 78% good, 1% excellent. Small grain planting improved, favorable weather. Wheat 33% planted, 47% 1994, 37% avg.; 4% poor, 14% fair, 82% good.

SOUTH DAKOTA: Temperatures generally 6 to 13° above normal west, from 1° below normal to 3° above normal east. Little to no precipitation. Only significant precipitation was 0.20 to 0.25 in. extreme north central, few isolated reports of 0.15 to 0.20 in. in the central and southeast. Heaviest precipitation reported 0.25 in. Lemmon.

Days suitable for fieldwork 3.7. Topsoil 1% very short, 1% short, 47% adequate, 51% surplus. Subsoil 1% very short, 1% short, 52% adequate, 46% surplus. Corn 95% harvested for grain, 96% 1994, 85% avg. Sorghum 93% harvested for grain, 99% 1994, 97% avg. Soybeans 99% harvested, 100% 1994, 100% avg. Sunflowers 95% harvested, 99% 1994, 97% avg. Winter rye 13% fair, 58% good, 29% excellent. Dry weather, freezing nighttime temperatures allowed many producers to wrap up row crop harvest during early morning, late evening hours when the ground was frozen. Some fields are still too wet. Some lodged sorghum fields may go unharvested if snow is received before the ground freezes. Four percent of the winter wheat may not emerge since most wheat has entered the dormant stage. Livestock 11% fair, 71% good, 18% excellent. Stockwater supplies 2% short, 71% adequate, 27% surplus. Feed supplies 1% short, 85% adequate, 14% surplus.

TENNESSEE: No weather data available.

Days suitable for fieldwork 3.0. Topsoil 73% adequate, 27% surplus. Subsoil moisture 4% short, 76% adequate, 20% surplus. Cotton 89%, harvested, 91% 1994, 93% avg. Tobacco 74% stripped, 72% 1994, 70% avg. Soybeans 81%, harvested; 82% 1994, 82% avg. Winter Wheat 3% poor, 17% fair, 65% good, 15% excellent; 84% seeded; 90% 1994, 85% avg.

TEXAS: Strong upper level system drifted across northern Mexico, then into State, interacted with cool front, good supply of Gulf moisture to trigger abundant rain over roughly southern third of State last week. Rainfall 2.00 in. or more above normal south, lower valley. Temperatures generally seasonable readings above normal on Northern High Plains, south central, below normal in Blacklands. Rainfall ran below normal over northern half of State, near to above normal in south.

Crops: Small grains seeding activity continued in plains; however, dry conditions slowed progress some areas. Irrigation activity remained steady where available. Growth on dryland fields slow. Some late seeding occurred in Northern Blacklands. Late week rainfall should benefit emerged fields. Growth on fields in Hill Country also slow. Statewide wheat condition rated 55% normal compared 73% 1994. Corn 100% harvested, 100% 1994, 100% avg. Cotton harvest moved ahead in Plains without much delay during week. An earlier hard freeze has lessened need for chemical defoliation in some areas. Some producers portions of Low Plains still awaiting good freeze. Quality of harvested cotton declining some fields. Bolls opening 97%, 100% 1994, 96% avg. Grain sorghum harvest progress good in Plains, beginning to wind down many fields. Peanuts harvest winding down rapidly in Central fields. In Cross Timbers, some producers entering the final stages of harvest. Slight improvements in grades seen on some fields. Statewide condition rated 64% normal compared 73% 1994. 80% harvested, 71% 1994, 72% avg. Soybeans harvest activity good progress in Plains. Yields have been good. 95% harvested, 91% 1994, 87% avg. Sunflowers 80% harvested, 84% 1994, 76% avg. Sugarbeets 74% harvested, 72% 1994, 60% avg.

Commercial Vegetables: Rio Grande Valley, pepper, cucumber harvest made progress until late week. Rainfall halted activity. Some isolated heavy rains may have caused some problems. San Antonio Winter Garden producers irrigating, cultivating onions, spinach. East, sweet potato harvest virtually completed. Harvest cole crops continued. Pecans harvest increased many areas during week. Quality remained varied across State. 37% harvested, 37% 1994, 39% avg.

Range and Livestock: Recent cold fronts ended growth warm season grasses, as a result many producers increased their supplemental feeding activity. Many small grain pastures remained too short to graze. In Plains, arrival of stockers slowed because lack of grazing. Also arriving cattle are moving directly to feedlots until adequate grazing available. Livestock

condition remained good across State. Producers have decided to hold late calves, hope for an improved market in many areas.

UTAH: Temperature maximums averaged 11° above normal; minimums were 5° above normal. Precipitation light in the north central, northern mountains divisions. Rest of the State reported little to no measurable precipitation.

Major farm/ranch activities: Fall tillage, cleaning corrals, moving livestock to market, general farm maintenance, general livestock work. Some corn is still being harvested.

VIRGINIA: Temperatures were below normal across the State this week. Extremes 23°; 53°. Snow fell mid-week in the southwestern regions of the State. Showers fell across the rest of the State during the week. Precipitation a slight sprinkling to almost 2.00 in. rain or snow in some localities.

Days suitable for fieldwork 3.0. Topsoil 1% short, 59% adequate, 40% surplus. Subsoil 11% short, 65% adequate, 24% surplus. Winter apples harvested 99%, 100% 1994, 78% avg. Corn harvested for grain 95%, 95% 1994, 95% avg. Soybeans harvested 58%, 69% 1994, 67% avg. Cotton harvested 85%, 89% 1994, 59% avg. Barley seeded 93%, 98% 1994, 98% avg. Oats seeded 90%, 100% 1994, 99% avg. Winter wheat seeded 75%, 84% 1994, 79% avg. Livestock 1% poor, 19% fair, 70% good, 10% excellent. Small grain, winter grazing crop 2% poor, 31% fair, 60% good, 7% excellent. Forage from pasture, winter grazing crops for beef cattle, 56%; sheep, 48%; dairy cattle, 27%. Early snowfall forced many livestock producers to begin feeding their herds sooner than was planned. Rain, muddy field conditions continued to delay winter wheat seeding as well as soybean, cotton harvests. Burley, dark fire tobacco producers were active stripping, grading their crop.

WASHINGTON: Temperatures 4 to 8° above normal west; 3° below to 9° above normal east. Precipitation 0.98 to 4.02 in. west; 0.08 to 1.39 in. east. Rain throughout week had soils saturated.

Days suitable for fieldwork 4.4. Topsoil 5% short, 74% adequate, 21% surplus; subsoil 10% short, 88% adequate, 2% surplus. Irrigation water supply 100% adequate. Mild temperatures, coupled with precipitation, were favorable to fall crops. As weather permitted, ground prepared for spring planting, equipment repaired, irrigation pipes stored. Orchard activity minimal, as leaves remained on trees. Pear pruning to begin shortly. Winter wheat, dryland 4% poor, 19% fair, 72% good, 5% excellent; irrigated, 5% fair, 75% good, 20% excellent. Corn, 100% good. Hay, other roughage supplies 2% short, 95% adequate, 3% surplus. Winter wheat, 99% planted, 97% 1994, 98% avg.; 96% emerged, 82% 1994, 92% avg. Potatoes, 100% harvested, 100% 1994, 99% avg. Corn, harvested for grain, 75% harvested, 90% 1994, 77% avg.

WEST VIRGINIA: Temperature 35°. Extremes 15°; 61°. Temperatures were well below normal, averaging 7 to 11° below. The greatest weekly total precipitation was 2.48 in. reported at Terra Alta. State average was 0.94 in.

Precipitation in form of rain, snow produced above normal amounts, except for southern portion. Snow moved into Mountain State on 14th, continued into 15th. Snow dumped 1 to 2 feet in higher elevations of northern areas.

Days suitable for fieldwork 2.2. Topsoil 71% adequate, 29% surplus. Wheat 95% planted, 90% 1994, 88% avg. Corn harvested 94%, 85% 1994, 86% avg. Soybeans 70% harvested, 85% 1994. Cattle 13% fair, 86% good, 1% excellent. Sheep 13% fair, 85% good, 2% excellent. Activities: Moving cattle off mountain pastures, feeding livestock, harvesting of corn, soybeans, equipment maintenance.

WISCONSIN: Temperature 26°, 7° below normal. Extremes -3°; 54°. Precipitation trace to 0.20 in.

Very little rain was seen across the State, this helped allow farmers to finish up harvesting of corn, soybeans. Farmers were busy hauling manure. Only interruption for farmers this week was the opening of deer hunting season.

WYOMING: Temperatures 4 to 13° above normal across the State. Extremes 5° Newcastle; 66° Thermopolis, Sheridan. Precipitation 0.10 to 0.20 in. below normal across most of State. The southeast, west central parts of the State 0.10 to 1.40 in. above normal. Moran received the greatest amount of 2.05 in.

Fieldwork continued as warm, mild weather prevailed across the State. Corn harvest made progress last week.

International Weather and Crop Summary

November 12 - 18, 1995

HIGHLIGHTS

FSU-WESTERN: Weather conditions favored winter grains, which continued to enter dormancy.

EUROPE: Beneficial rain continued to ease long-term drought over Spain and Portugal.

NORTHWESTERN AFRICA: The first substantial rain of the season covered winter grain areas in Morocco, allowing winter grain planting.

SOUTH ASIA: Warm, dry weather favored summer crop harvesting and winter crop planting across the region.

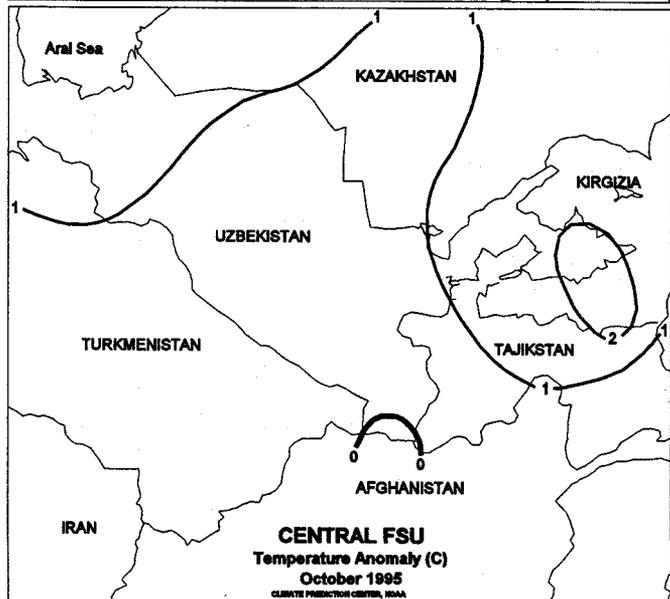
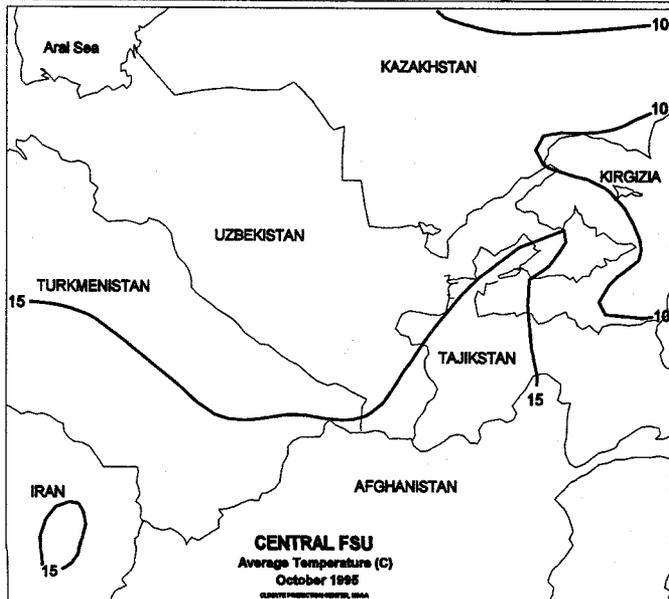
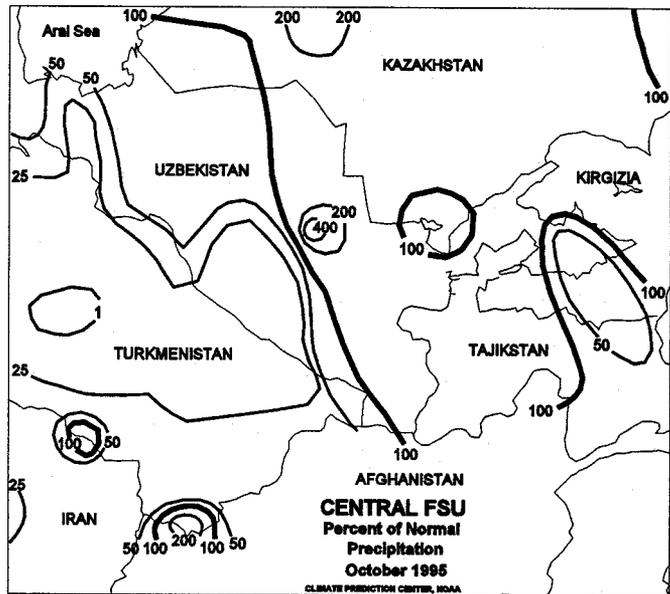
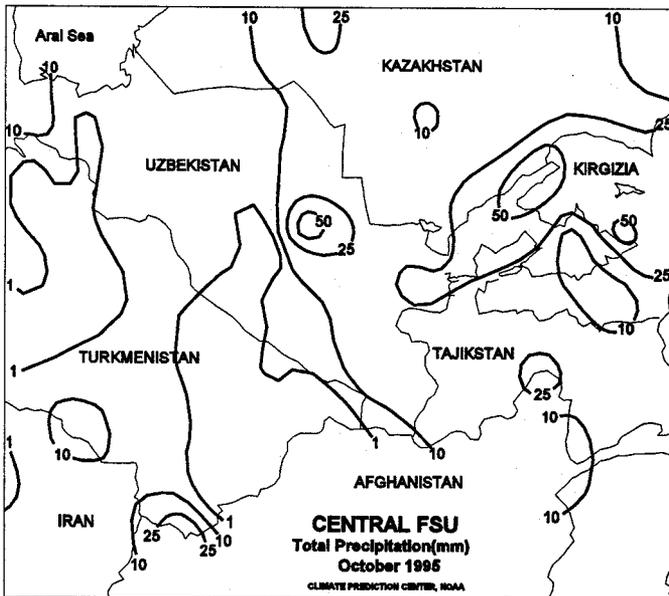
SOUTH AFRICA: Widespread, locally heavy rain benefited emerging corn.

AUSTRALIA: Soaking, locally excessive rain in major summer crop areas of eastern Australia improved sorghum and cotton prospects but raised concern for mature wheat.

EASTERN ASIA: Warm weather benefited vegetative winter wheat across the North China Plain. Seasonably dry weather favored fieldwork throughout most of the country.

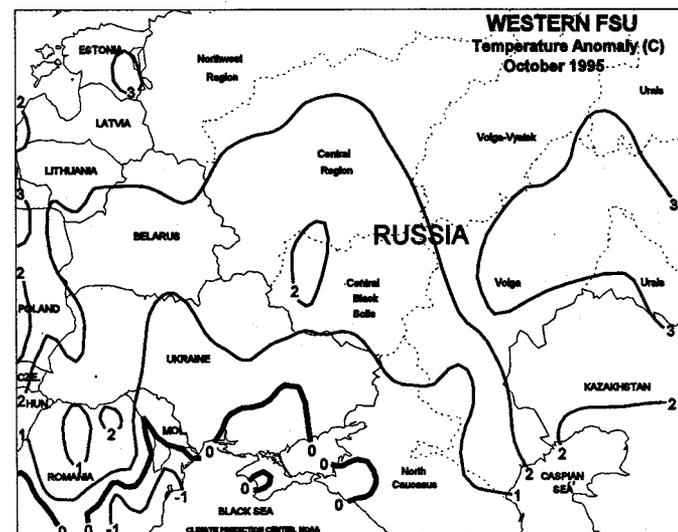
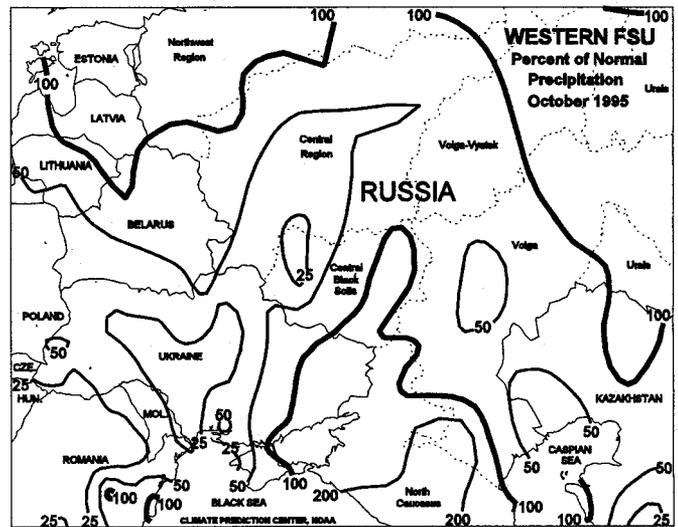
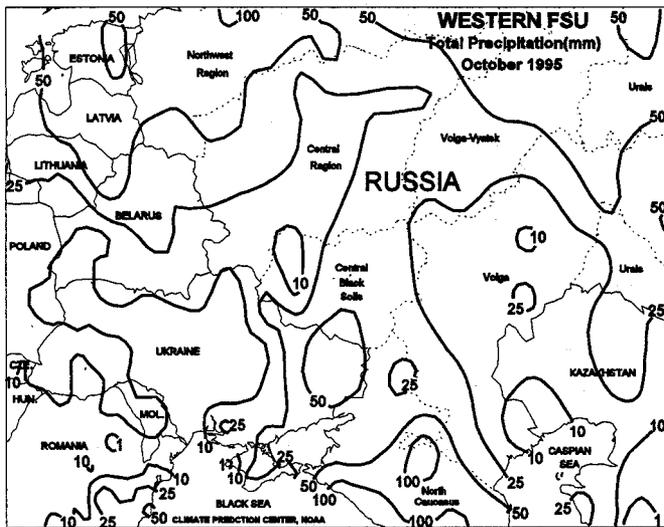
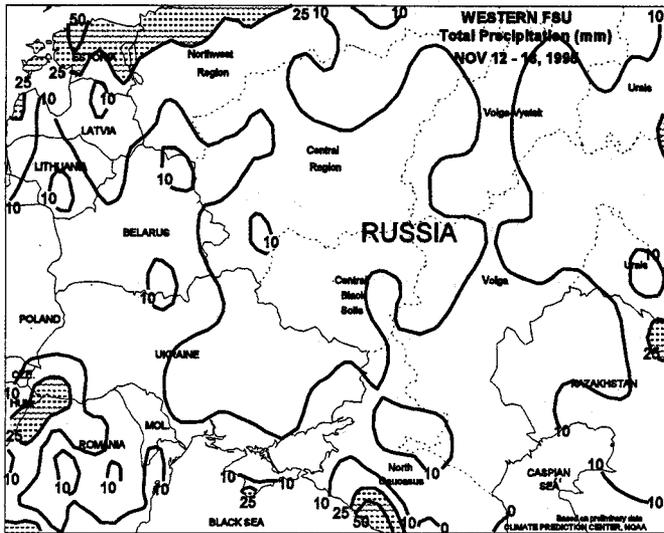
SOUTHEAST ASIA: Drier weather prevailed in the Philippines and most of Thailand, while heavy rain slowed fieldwork in northern Thailand.

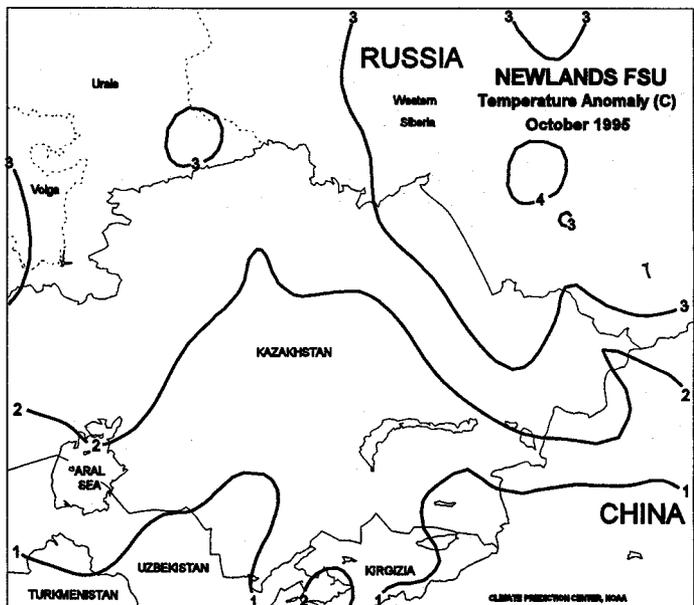
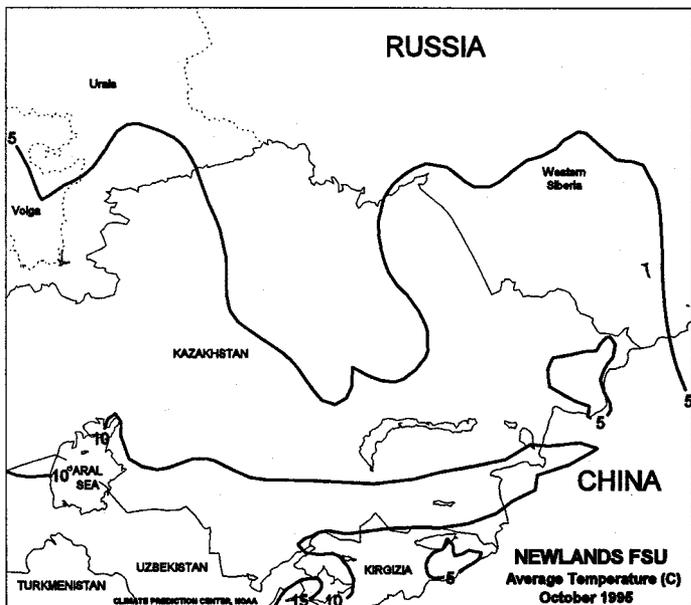
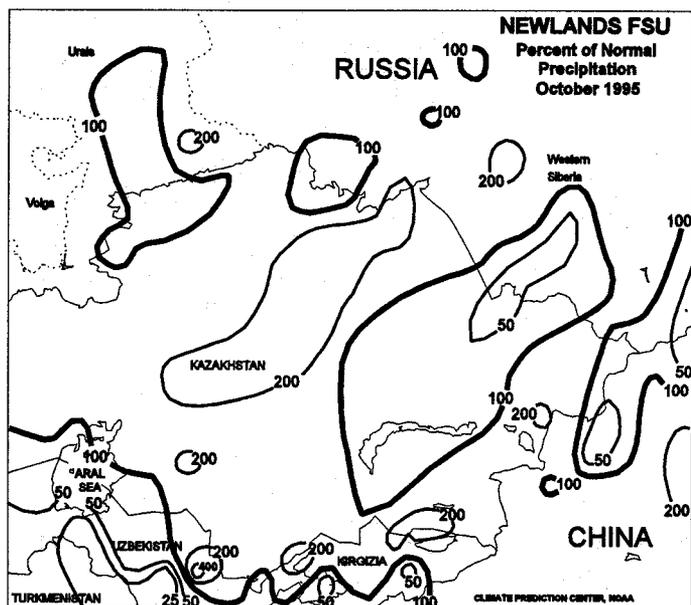
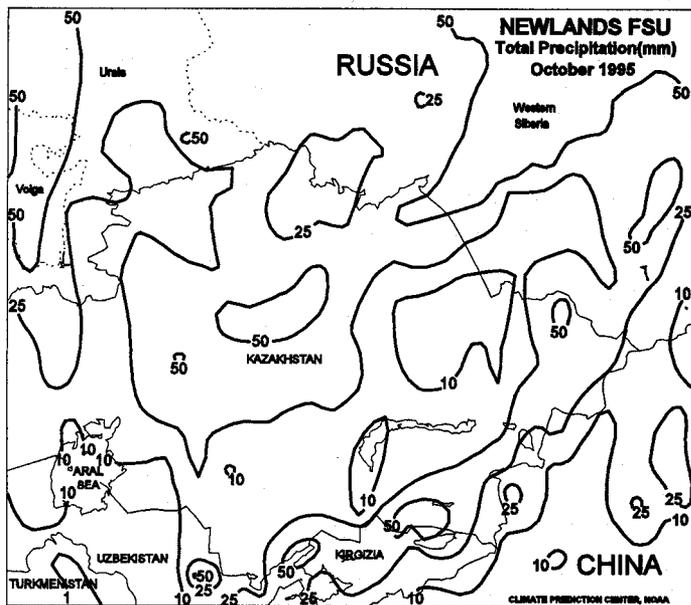
SOUTH AMERICA: Across southern Brazil, widespread showers boosted soil moisture for summer crop planting and germination. In Argentina, scattered showers and cool weather benefited summer crops and filling winter wheat.

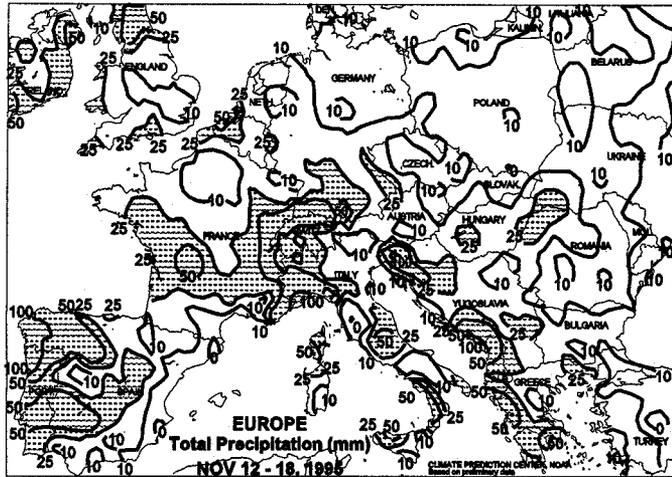


FSU-WESTERN

Widespread light to moderate precipitation (varying around 10 mm) covered winter grains in Russia, Ukraine, Belarus, and the Baltics. In addition, near- to above-normal temperatures favored winter grains, which continued to enter dormancy as far south as central Ukraine and North Caucasus, Russia. In October, above-normal precipitation fell over eastern Ukraine and southern Russia (North Caucasus, lower Volga Valley, and the eastern portion of the Central Black Soils Region). Most precipitation fell on October 1 to 5, benefiting winter wheat emergence and establishment. Generally dry weather from October 6 continued during the remainder of the month in these areas, favoring corn, sunflower, and sugarbeet harvesting. Elsewhere, below-normal precipitation in October over central and western Ukraine, Belarus, Moldova, and northern Russia (Central Region, Volga Vyatsk, and the upper Volga Valley) favored harvesting. Near- to above-normal temperatures in October over Russia and Ukraine spurred vegetative growth in winter grains. Soil moisture was sufficient for growth in most areas, except in parts of northern Russia, where moisture was limited. Moisture conditions over major winter wheat-producing areas of southern Russia and Ukraine remained adequate for crop establishment, a significant improvement over conditions at this time last year.

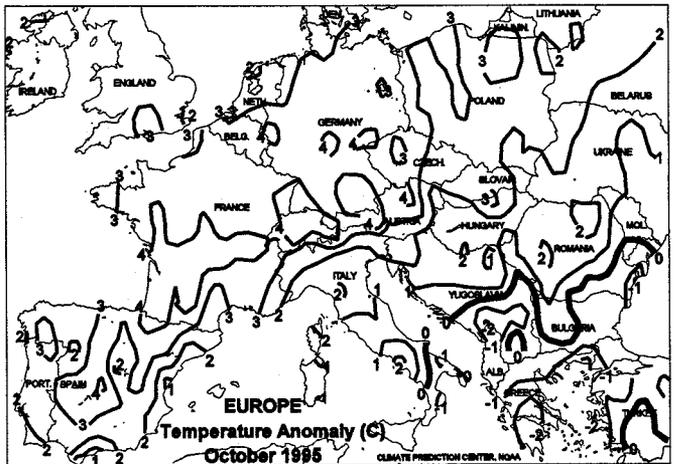
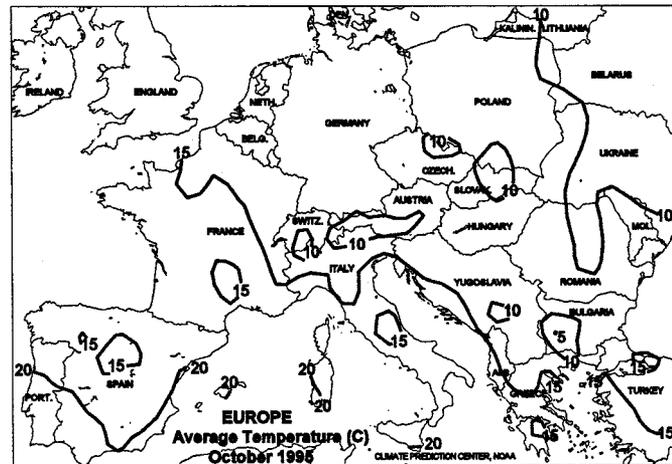
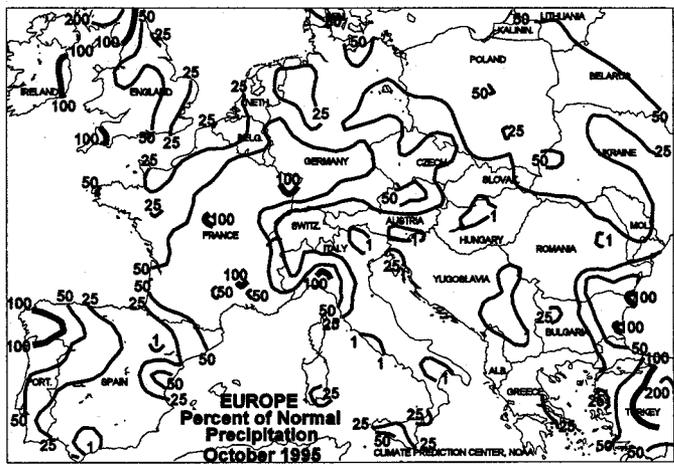
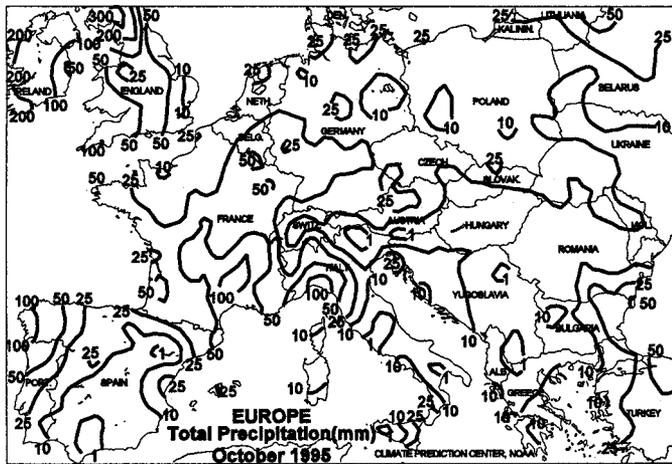


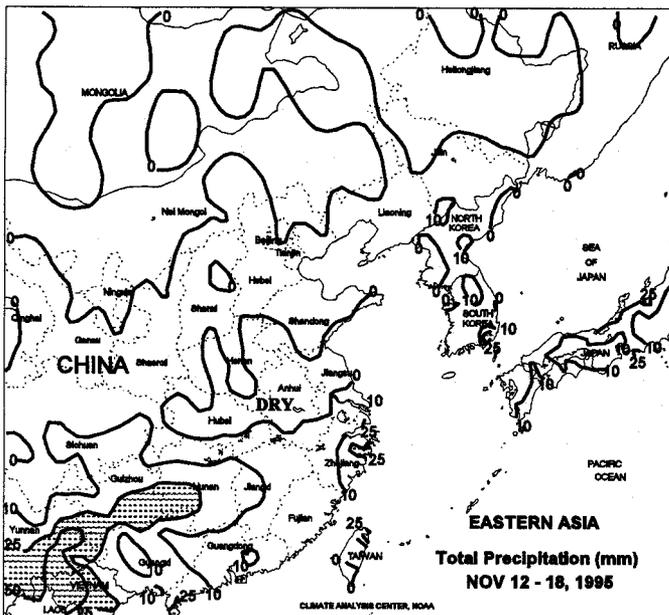




EUROPE

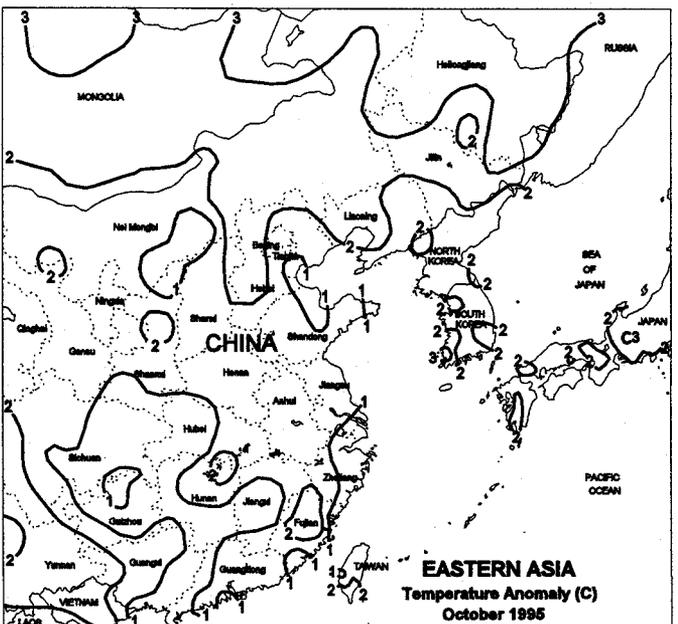
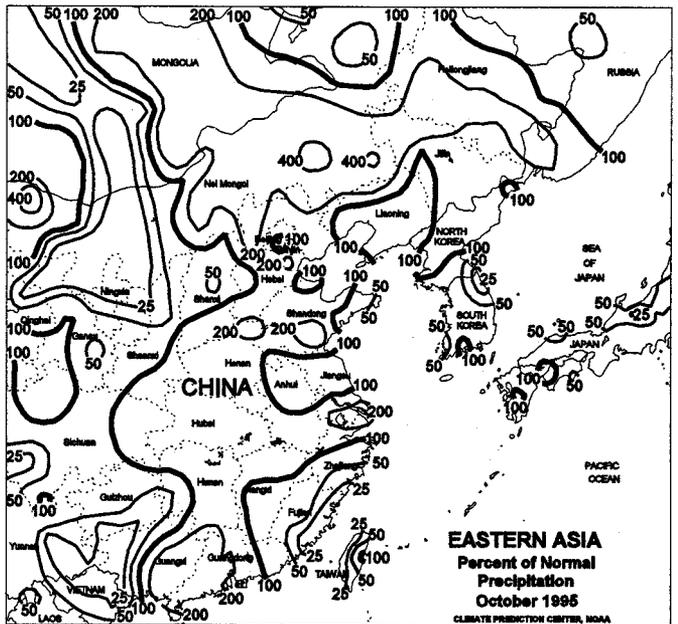
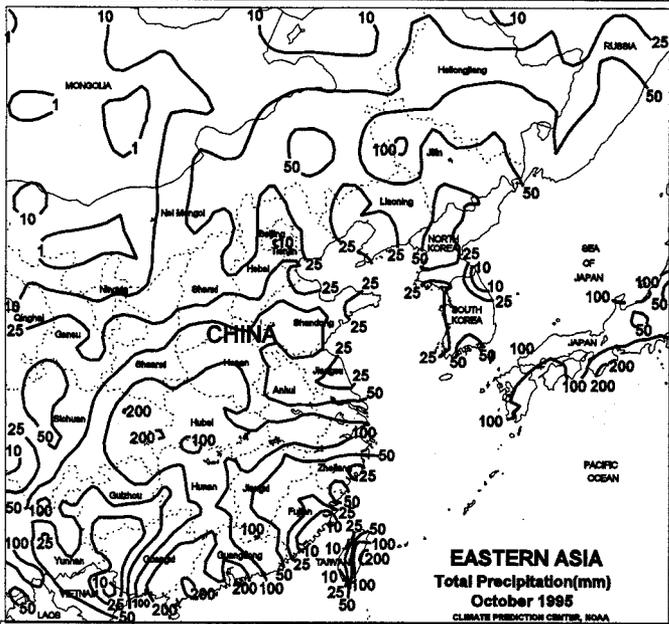
Beneficial rain (10-50 mm, with local amounts in excess of 50 mm) continued over Spain and Portugal, easing long-term drought and providing beneficial topsoil moisture for winter grain planting and emergence. A warming trend was accompanied by light to moderate rain (10-57 mm) from England and France, eastward through the Netherlands and Belgium, into Germany, benefiting winter grains and oilseeds. In eastern Europe, light precipitation (generally less than 10 mm) covered winter grains in Poland, the Czech and Slovak Republics, and southern Romania, with greater amounts of precipitation (10-34 mm) falling over winter grains in Hungary, northwestern Romania, and Bulgaria. In October, below-normal precipitation covered most of Europe, favoring summer crop harvesting. However, well-below-normal precipitation (less than 25 percent of normal) in October over East Anglia in the United Kingdom, the Benelux countries, and parts of northern Germany limited topsoil moisture for winter wheat emergence and early growth.

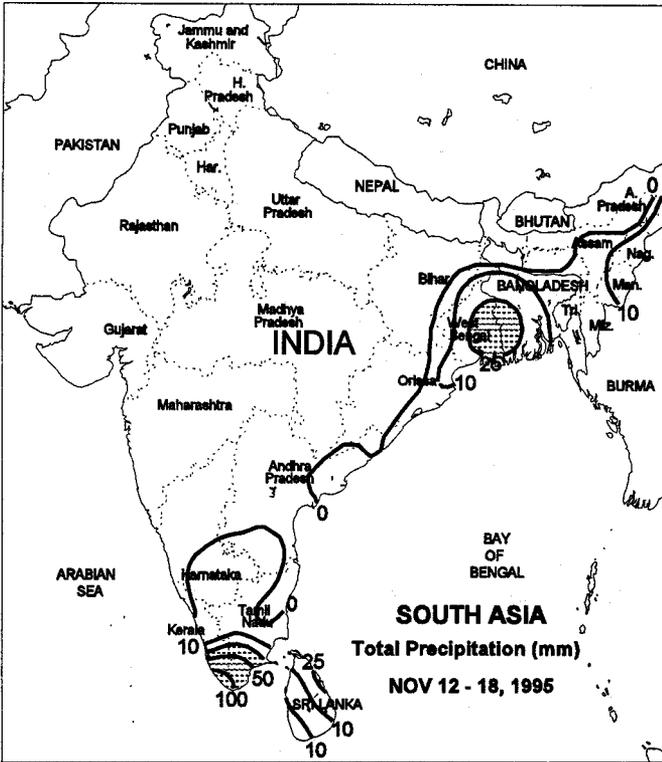




EASTERN ASIA

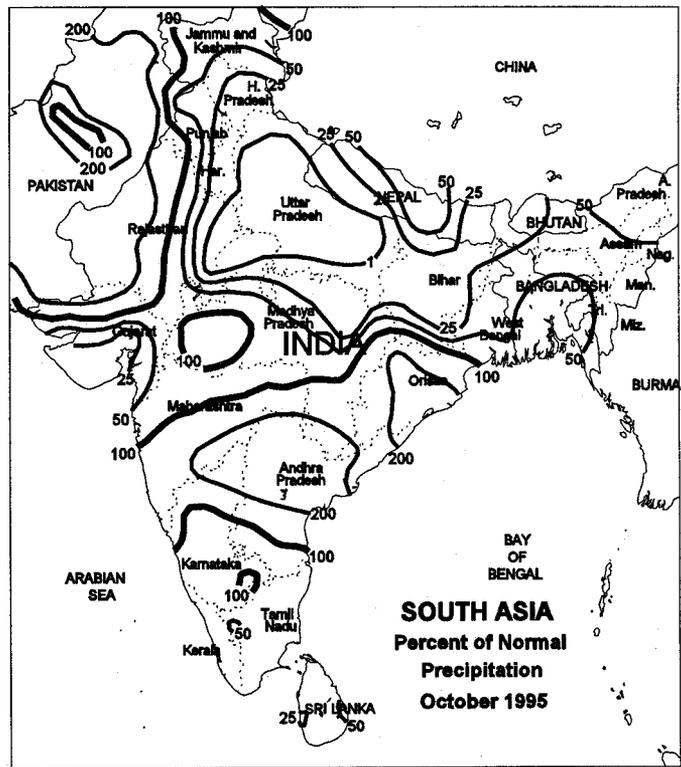
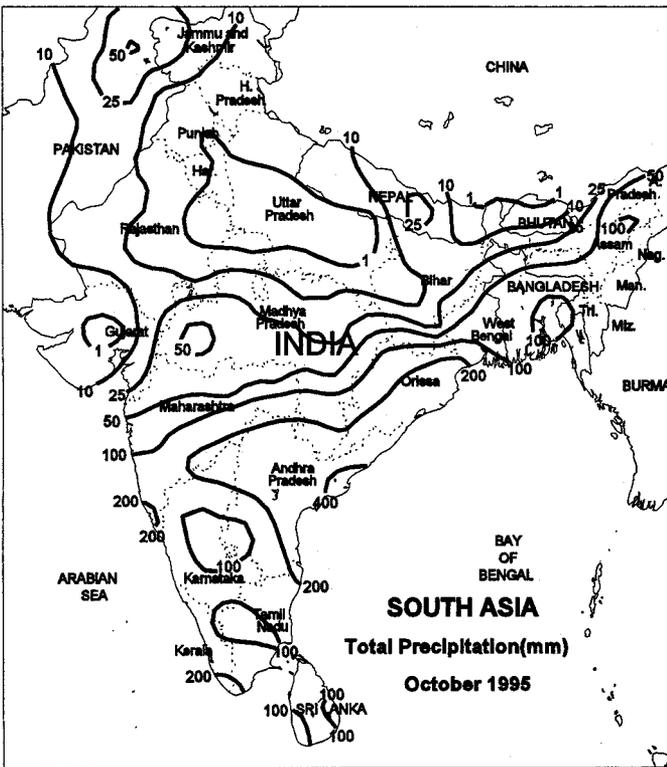
Mostly dry weather covered northern and central China, favoring late rice harvesting and winter oilseed planting. Warm weather (temperatures 2-4 degrees C above normal) favored emerging to vegetative winter wheat across the North China Plain. Light to moderate rain (10-45 mm) across southwest China (Yunnan, Guizhou, and Guangxi) slowed rice harvesting, but increased soil moisture for winter grains and oilseeds. During October, near- to above-normal rainfall covered most major crop areas of eastern China, increasing soil moisture for winter grain and oilseed planting, but slowing summer crop harvesting. Early in the month, Typhoons Sibyl and Ted hit southern China (Guangxi and Guangdong), causing flooding and local damage to rice and sugarcane. Below-normal rainfall favored rice harvesting across the Korean Peninsula and Japan.

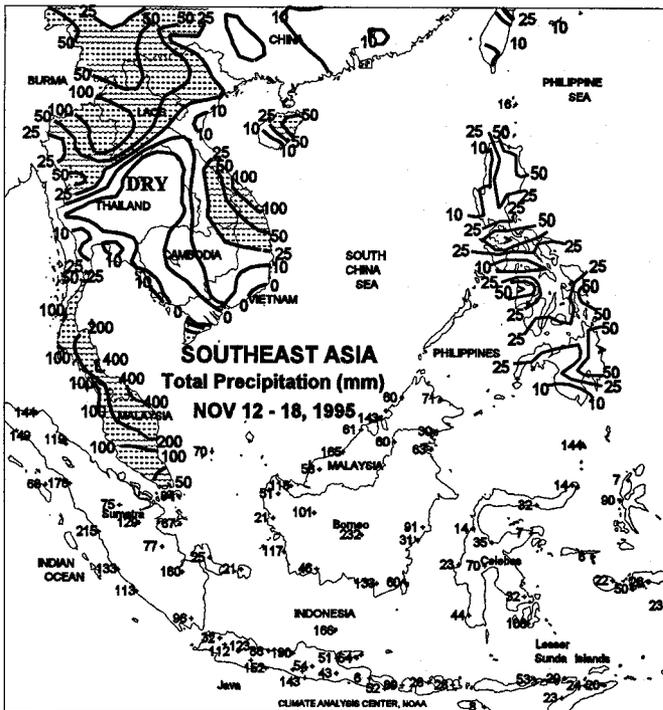
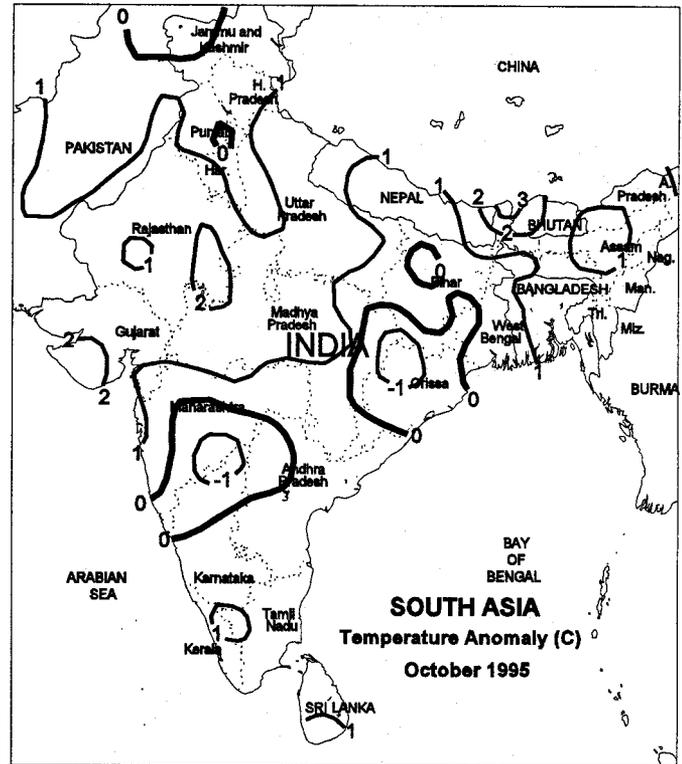
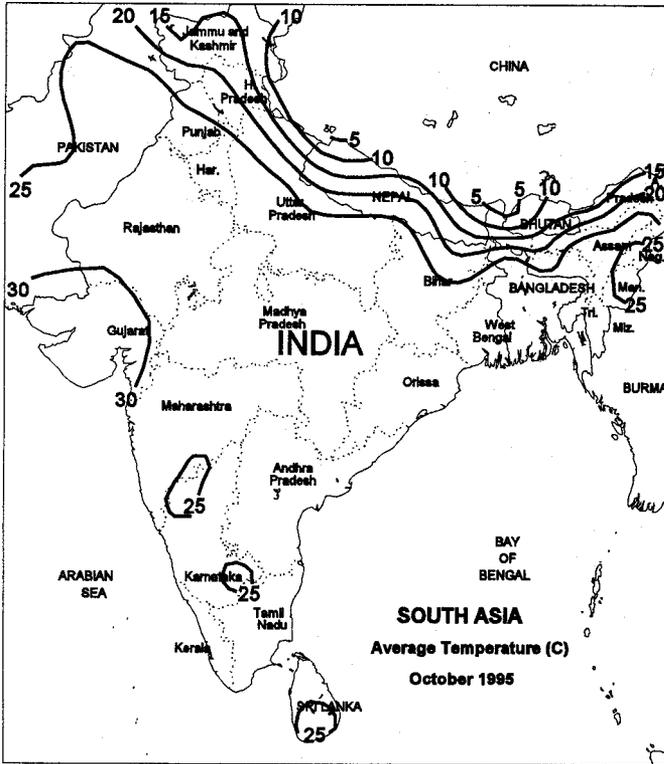




SOUTH ASIA

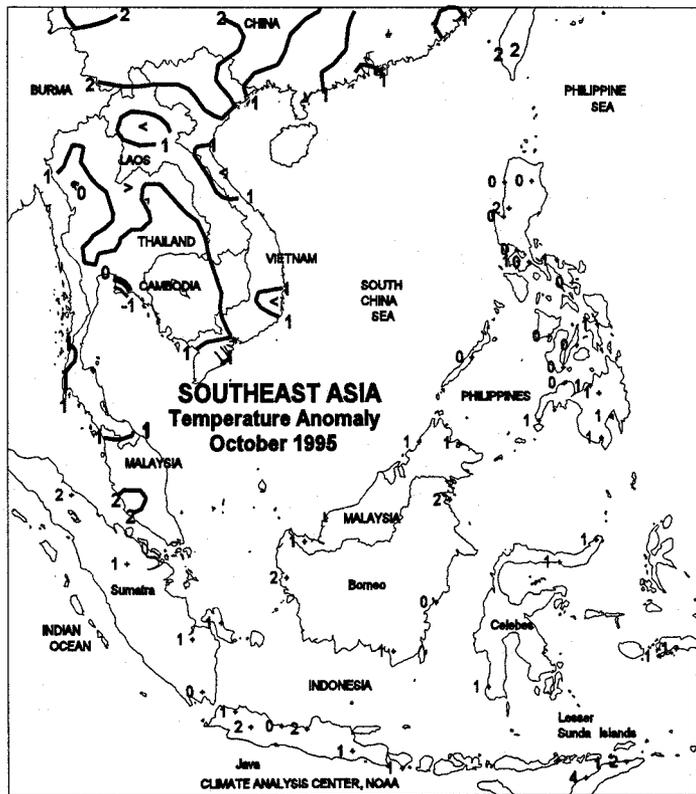
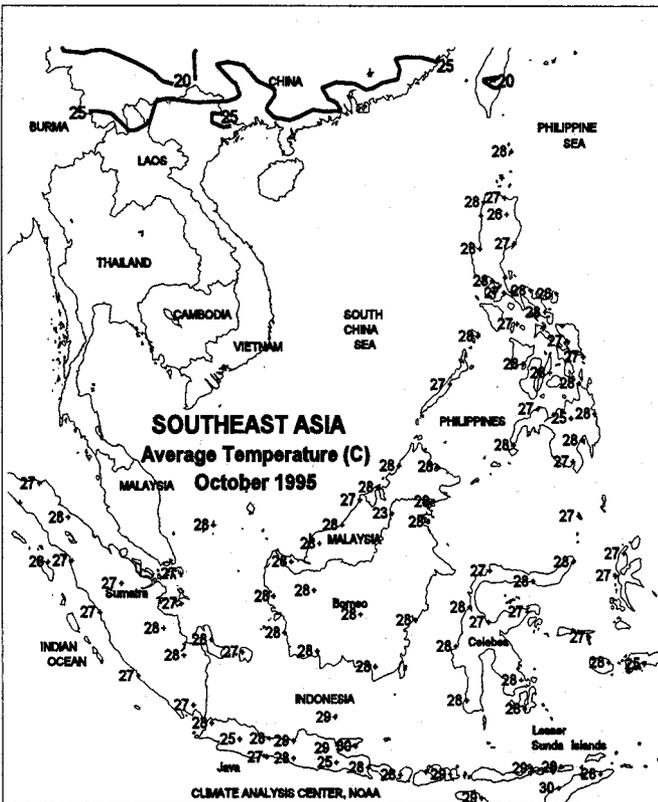
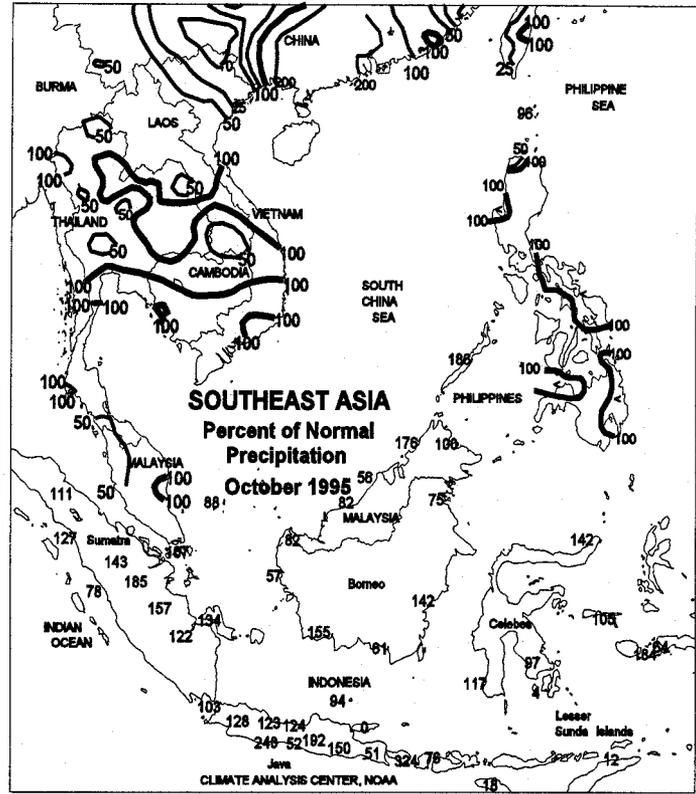
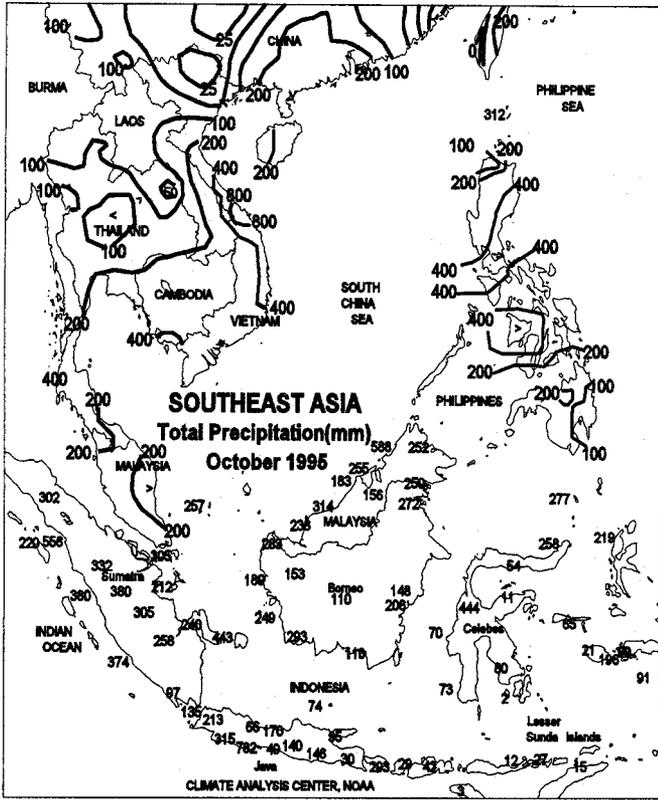
Dry, warm weather dominated the region, favoring summer crop dry down and harvesting. Winter grain and oilseed planting progressed across northern crop areas. In eastern India and Bangladesh, the dry weather allowed rice cultivation activities to resume following last week's damaging cyclone. In October, rainfall was unseasonably heavy over sections of central and southern India. While benefiting late-planted summer crops, some flooding occurred in coastal rice areas and local interior crop areas (Andhra Pradesh). Farther north, winter grain and oilseed planting progressed with only minor disruptions. In mid-October, unseasonable rain (5-35 mm) covered Pakistan's northern cotton and winter wheat areas.

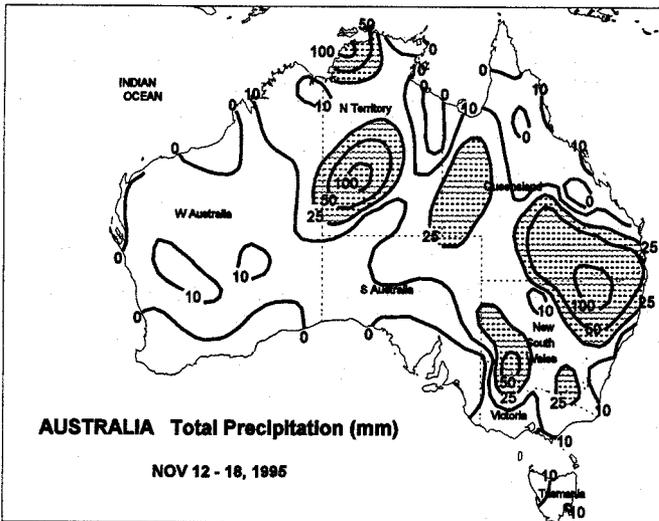




SOUTHEAST ASIA

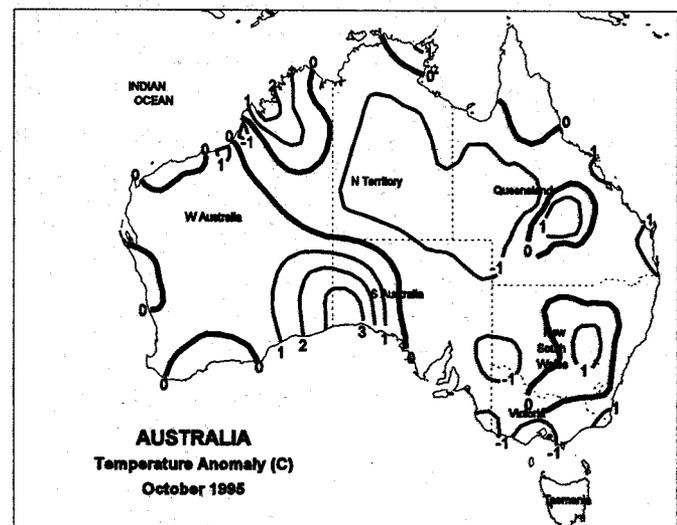
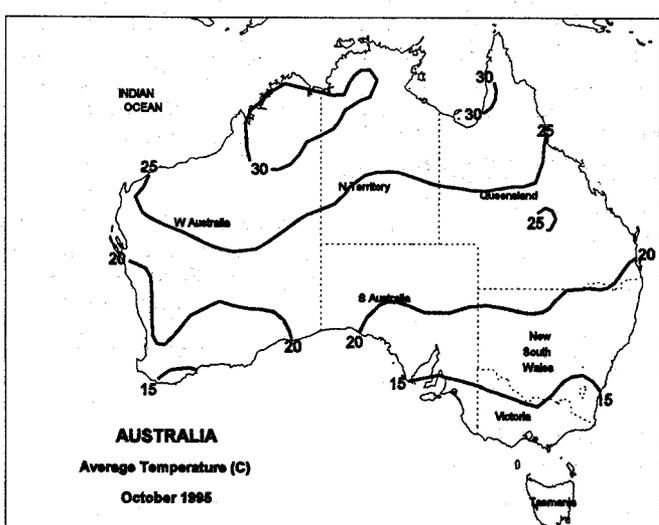
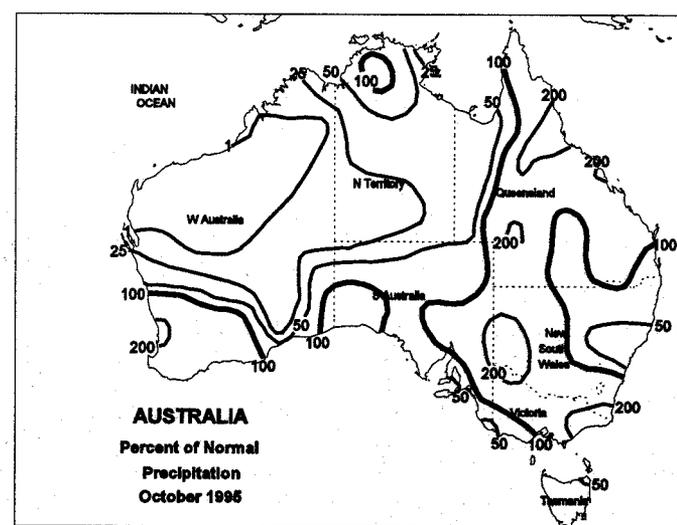
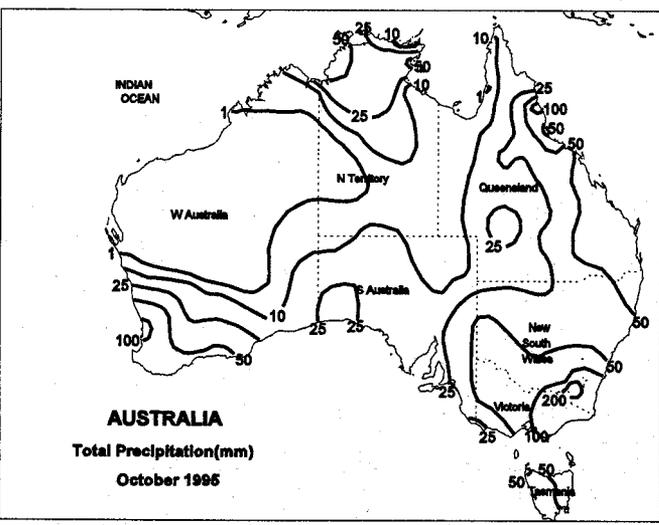
Drier weather (10-50 mm, with scattered amounts greater than 75 mm) prevailed across the Philippines, easing flooding from the passage of Typhoon Angela 2 weeks ago. Mostly dry weather aided rice harvesting across Thailand, except for heavy showers (40-150 mm) in the extreme north. Farther south, very heavy showers (200-600 mm) caused flooding in eastern oil palm areas of the Malay Peninsula (peninsular Thailand and Malaysia). In Vietnam, seasonably heavy showers (100-150 mm) fell across the central coast (near Da Nang). Widespread showers (40-150 mm) covered Java, boosting moisture supplies for secondary crops. During October, near- to above-normal rainfall in the Philippines increased irrigation supplies for second-season crops. However, heavy rains and winds due to the passage of Typhoons Yvette and Zack caused damage to rice and sugarcane across the central islands and southern Luzon. Typhoon activity also contributed to above-normal monthly rainfall over central Vietnam, but below-normal rainfall aided rice harvesting in the Red River Delta. In October, near- to below-normal rainfall eased flooding in southern Thailand, while near- to above-normal rainfall slowed rice harvesting in eastern Thailand. Above-normal monthly rainfall boosted moisture supplies for secondary crops across Java.

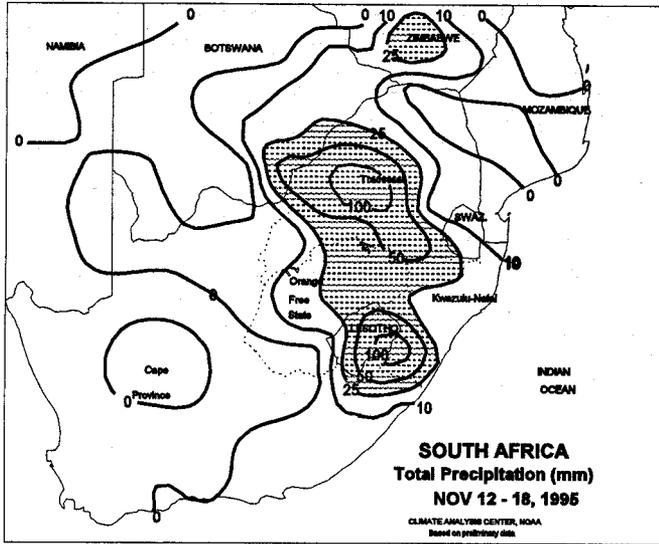




AUSTRALIA

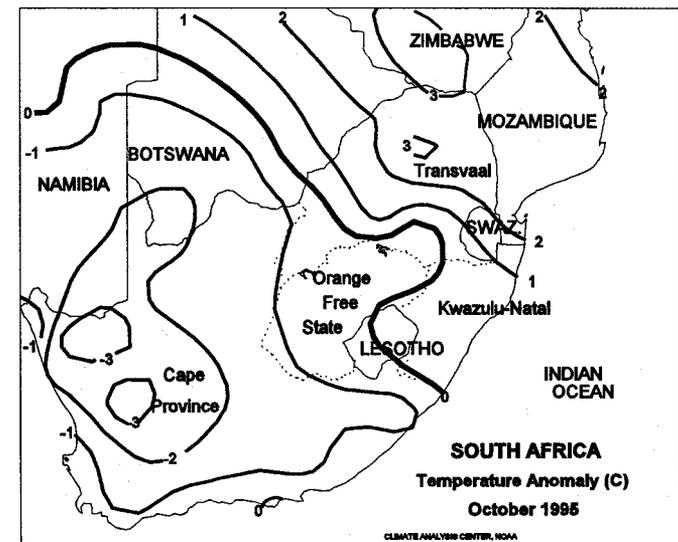
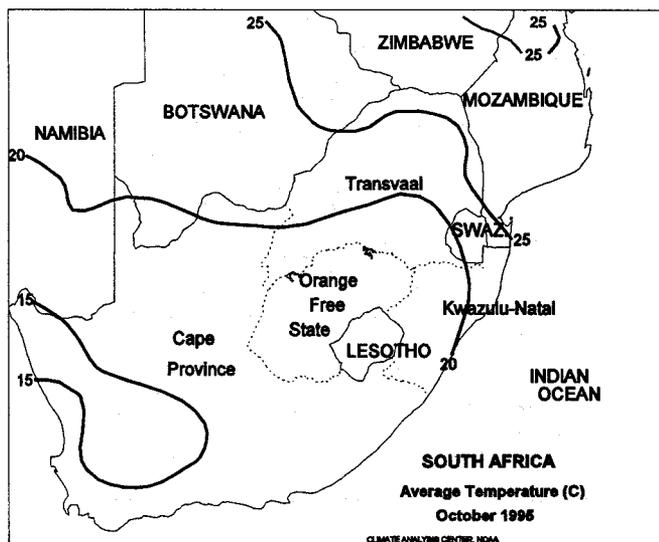
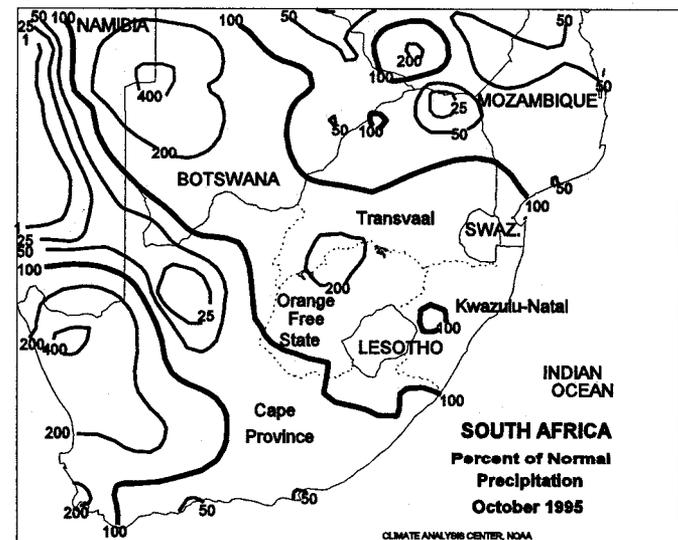
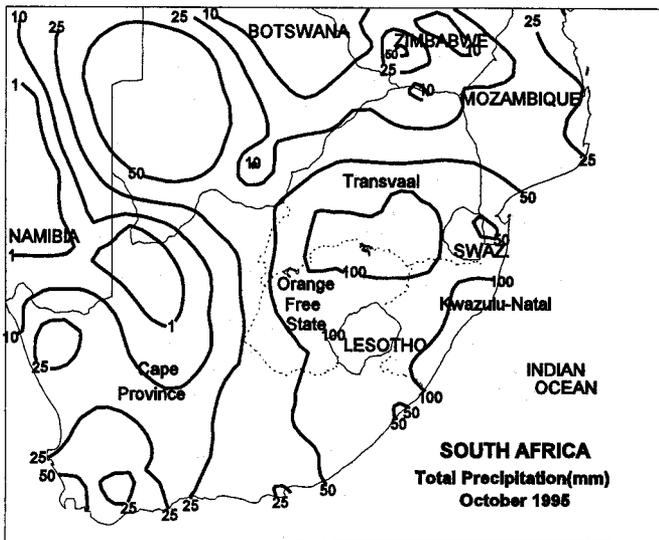
Soaking, locally heavy rain (25-50 mm, locally exceeding 100 mm) covered eastern Australia's major summer crop areas (southern Queensland and northern New South Wales). The rains benefited pastures and improved prospects for sorghum and cotton. However, northernmost crop areas, hardest hit by the protracted drought, received the lightest rain (25 mm or less). That region's unharvested wheat is at risk of damage or quality losses from the heavy rain. Drier, warmer weather across southern winter grain areas (West Australia, South Australia, and Victoria) favored crop maturation and harvesting. During October, untimely showers (25 mm or more) were unfavorable for maturing grains in the west and southeast the latter half of the month. In summer crop areas, rainfall was infrequent but averaged near to above normal in major crop and pasture areas.

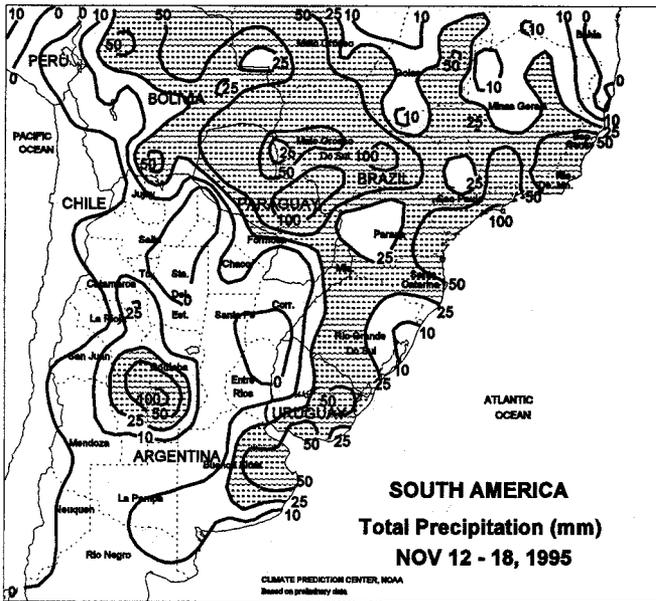




SOUTH AFRICA

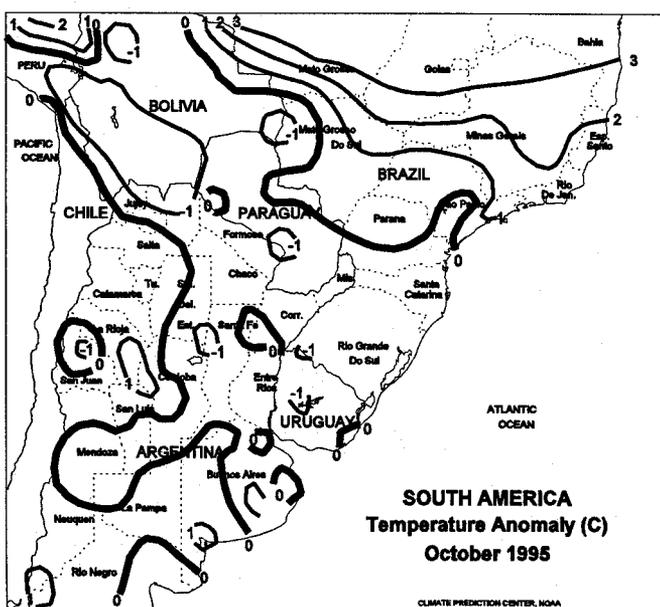
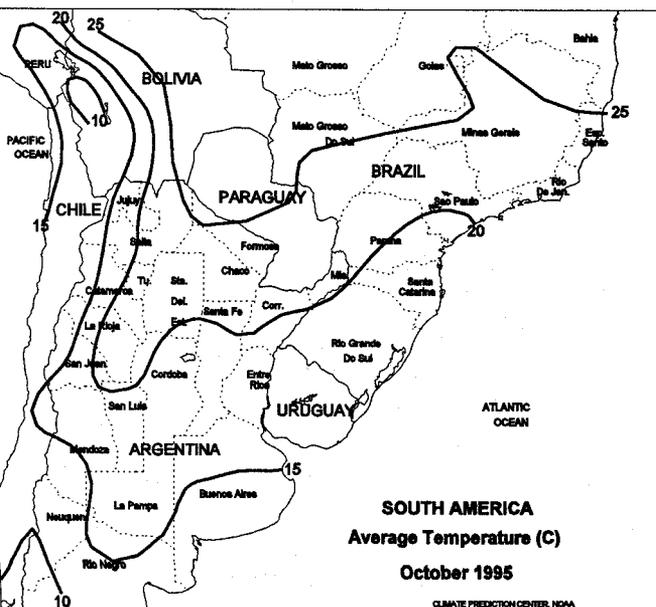
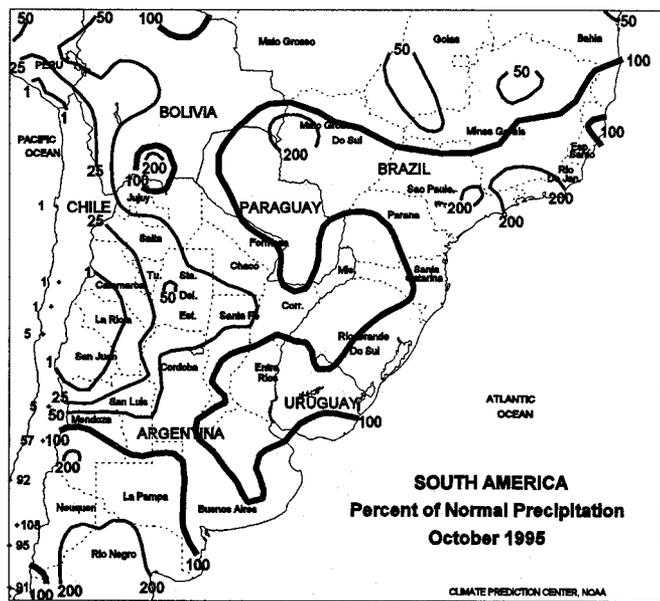
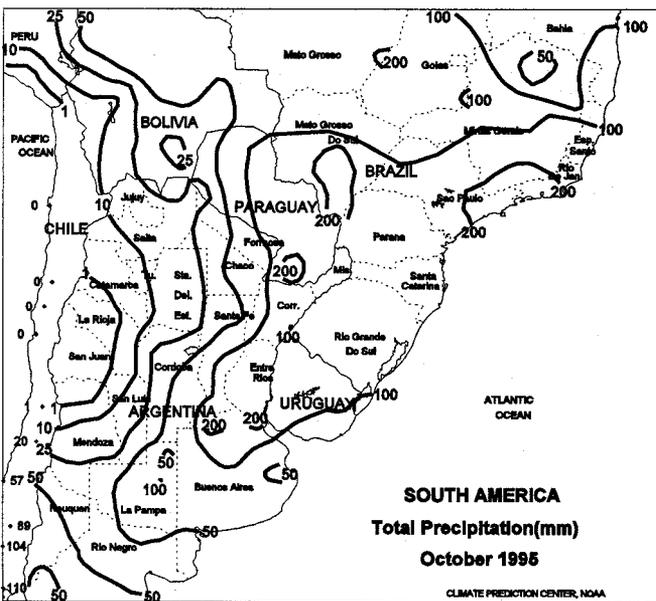
Widespread, locally heavy rain (25-50 mm, exceeding 100 mm locally) benefited emerging corn in central and eastern sections of the corn belt. In the western corn belt, 10 to 20 mm had fallen by the 19th, improving topsoil moisture and ending a brief heat wave. Rain (20 mm or more) also covered sugarcane areas of Kwazulu-Natal. During October, early-month warm, dry weather hastened winter wheat maturity. Monthly rainfall was near to above normal throughout the corn belt, due mainly to periods of heavy rain from mid- to late-October. Corn planting and winter wheat harvesting were in full swing throughout the region by month's end.

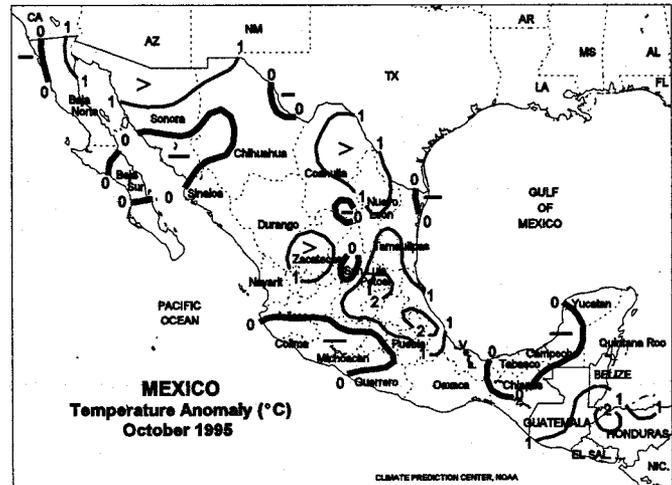
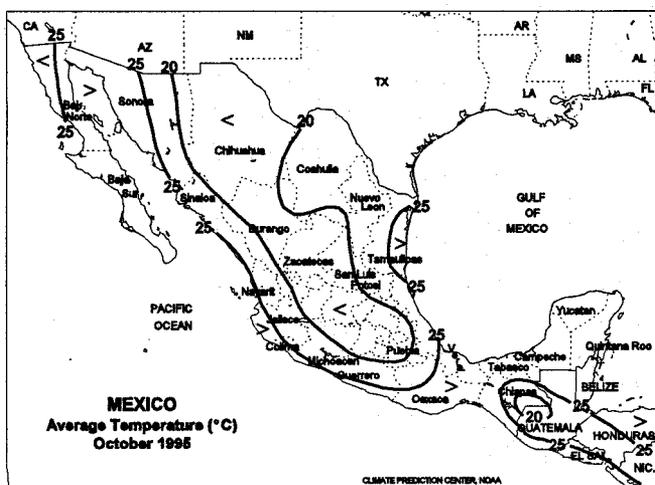
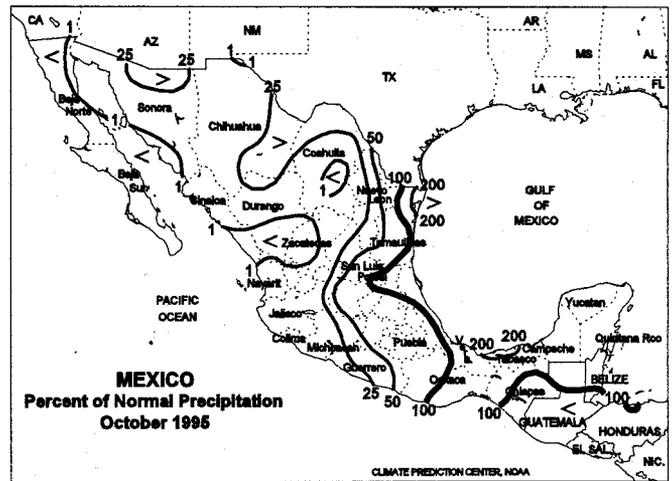
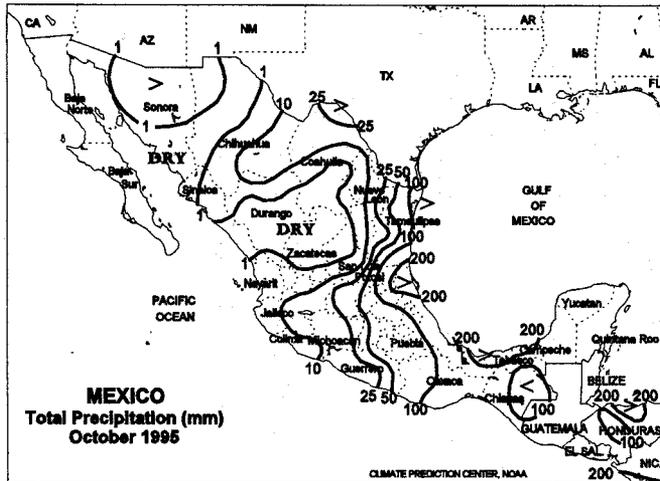
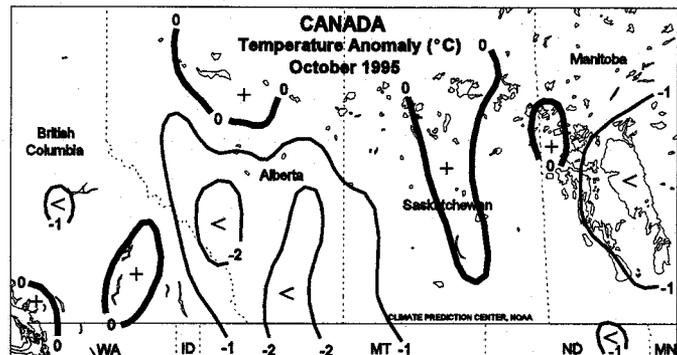
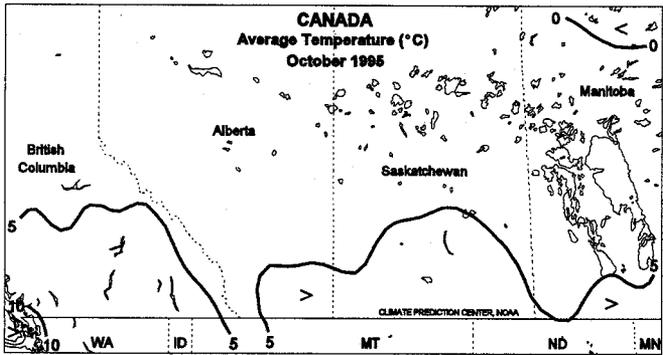
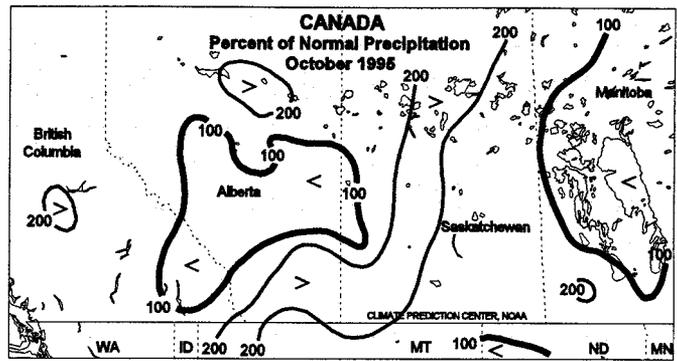
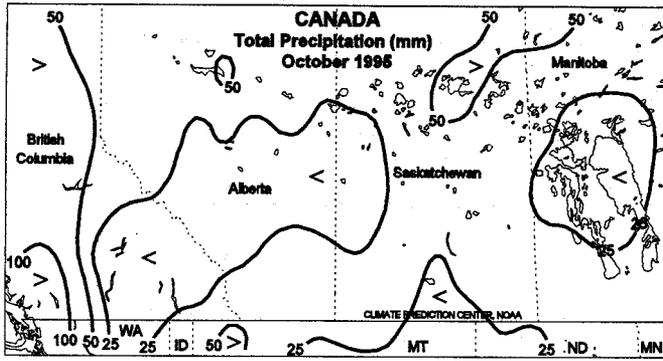




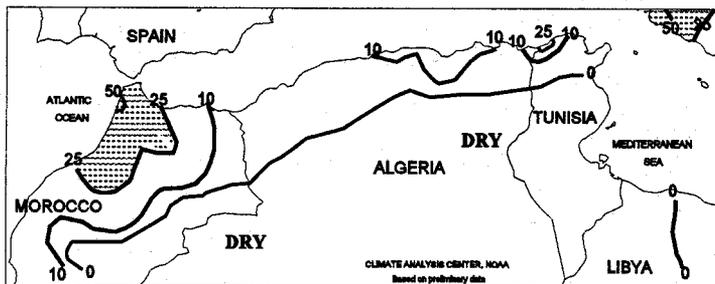
SOUTH AMERICA

In southern Brazil, widespread showers (15-75 mm, with isolated amounts greater than 100 mm) increased soil moisture for corn and soybean planting and coffee and citrus development. The heaviest rain fell across Mato Grosso, Mato Grosso do Sul, Sao Paulo, and Minas Gerais. Temperatures averaged 1 to 2 degrees C above normal across southern Brazil. In Argentina, moderate to heavy showers (20-75 mm) fell across southern Cordoba and eastern Buenos Aires, increasing soil moisture for summer crops and filling winter wheat. However, mostly dry weather prevailed across the remaining crop areas of central and northern Argentina, aiding summer crop planting. Cool weather (temperatures 1-2 degrees C below normal) helped to reduce crop water demand. During October, near- to above-normal rainfall across southern Brazil and central Argentina increased soil moisture for summer crop planting and Argentina's winter wheat. However, below-normal rainfall across the northern Brazil soybean areas (Mato Grosso and Goias) reduced topsoil moisture for planting.





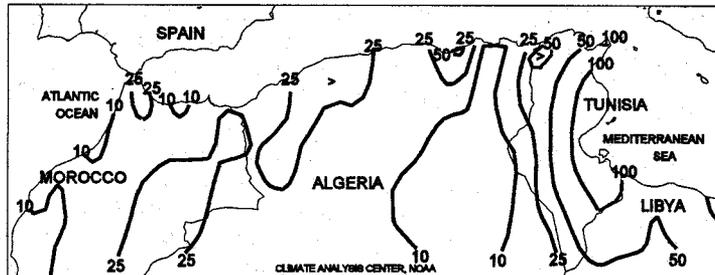
NORTHWEST AFRICA Total Precipitation (mm)
NOV 12 - 18, 1995



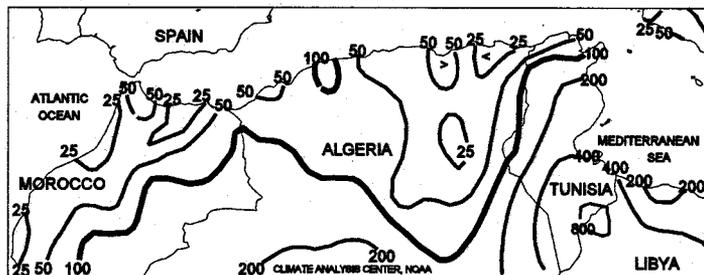
NORTHWESTERN AFRICA

The first substantial rain of the season covered winter grain areas in Morocco. Precipitation amounts ranged from 10 to 30 mm, providing sufficient topsoil moisture for the start of winter grain planting. Farther east, light showers (mostly less than 10 mm) covered winter grain areas in Algeria and Tunisia, moistening topsoils for planting. In October, mostly dry weather covered Morocco, where the autumn rainy season has been slow to begin. Farther east, beneficial rain covered Algeria and Tunisia from October 8 to 19, prompting early winter grain planting. However, precipitation since October 20 has been running below normal, and additional rain is needed to allow further planting and to ensure a favorable start to this year's growing season. Since the bulk of winter grains over the region are planted from mid-November to mid-December, substantial time remains for planting.

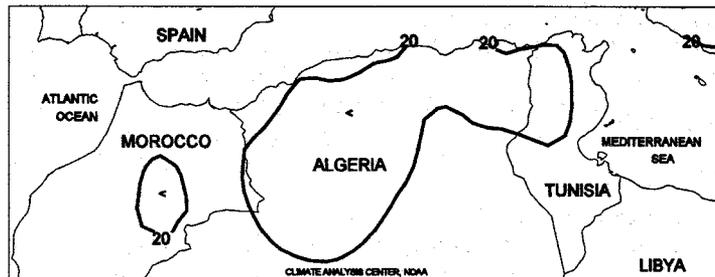
NORTHWEST AFRICA Total Precipitation (mm)
October 1995



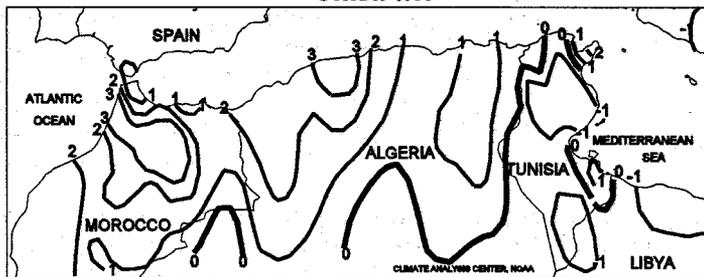
NORTHWEST AFRICA Percent of Normal Precipitation
October 1995



NORTHWEST AFRICA Average Temperature (C)
October 1995



NORTHWEST AFRICA Temperature Anomaly (C)
October 1995



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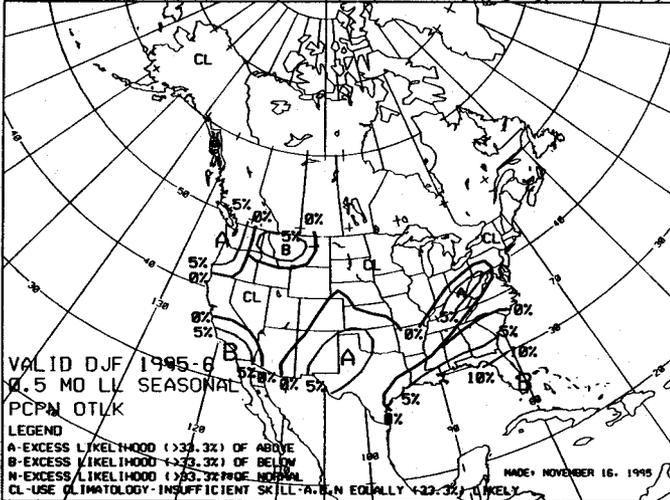
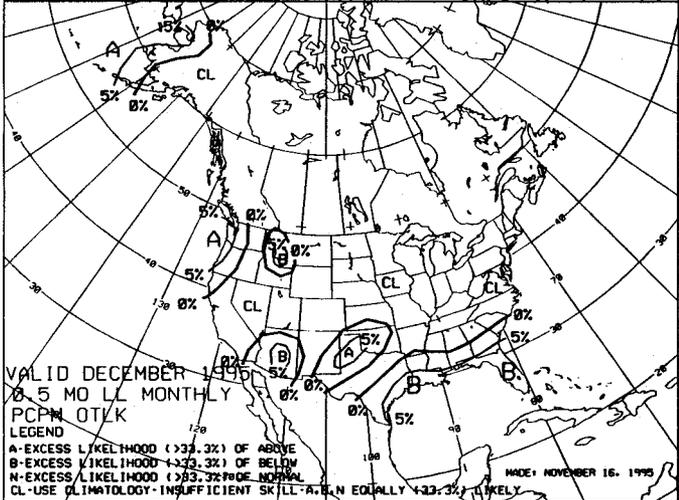
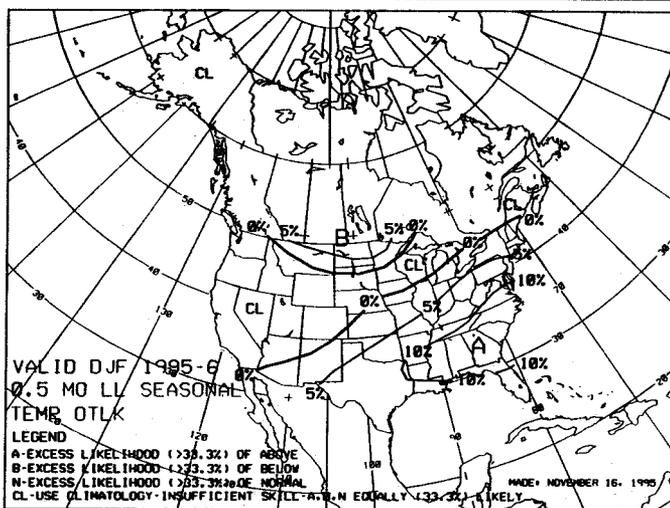
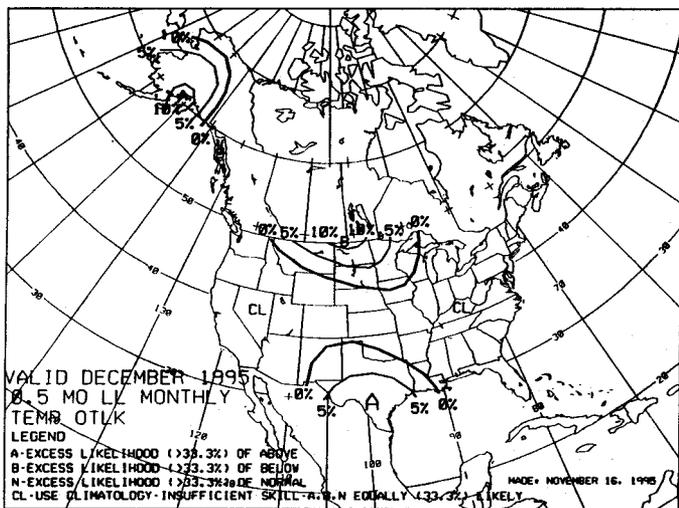
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