

# 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

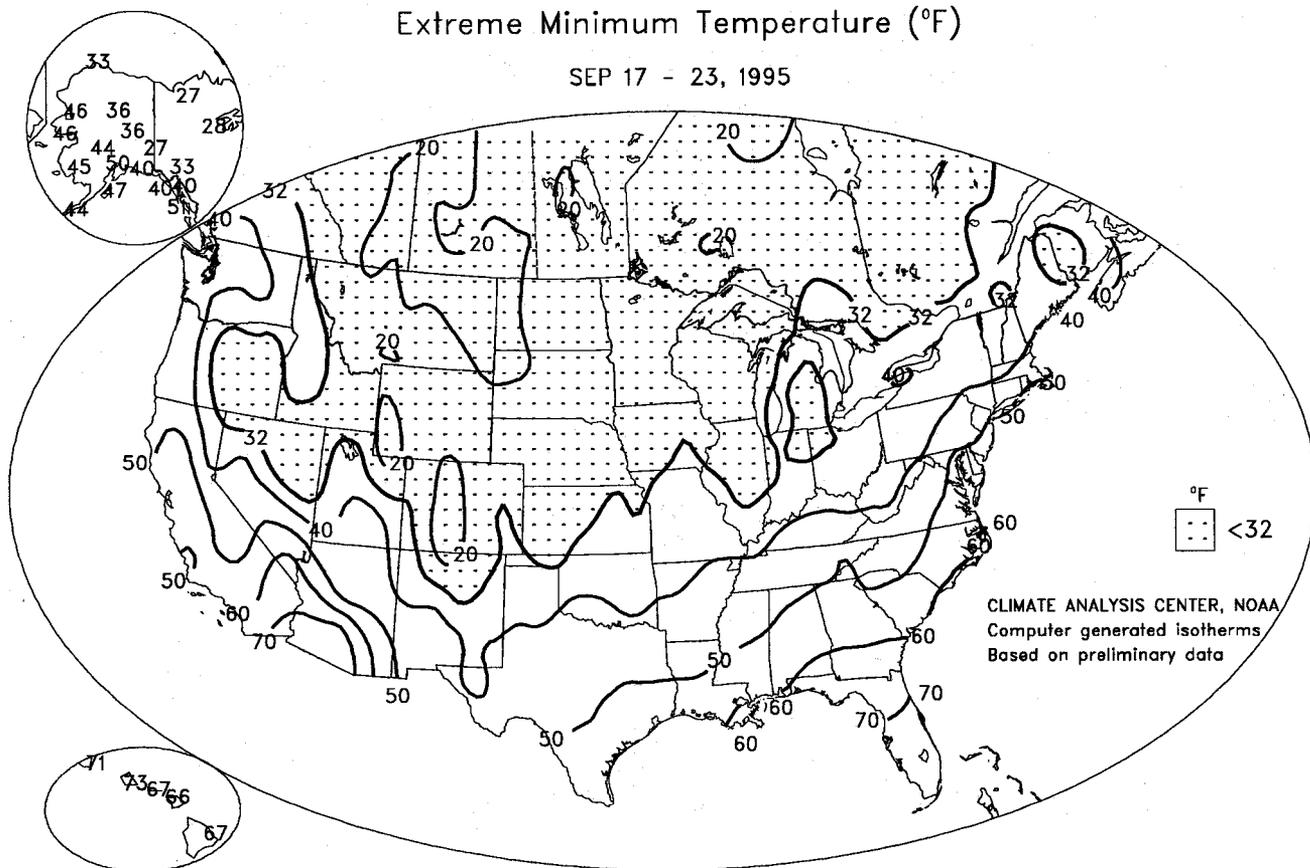
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September 26, 1995

## Extreme Minimum Temperature (°F)

SEP 17 - 23, 1995



## HIGHLIGHTS

September 17 - 23, 1995

A severe early freeze struck the western Corn Belt and central High Plains, damaging immature corn, soybeans, and sorghum, particularly in areas affected by spring flooding and subsequent planting and crop-development delays. More than 120 daily-record lows were established from September 20-22 as very cold air plunged southward through the Plains, then settled eastward across the Midwest. More than 30 of the daily records had stood since 1983, when a similarly timed freeze had little effect on crops already accelerated to maturity by extreme heat and dryness. Another 20 had stood since September 22-23, 1974, when cold air took a more easterly trajectory across the northern Corn Belt, damaging immature crops.

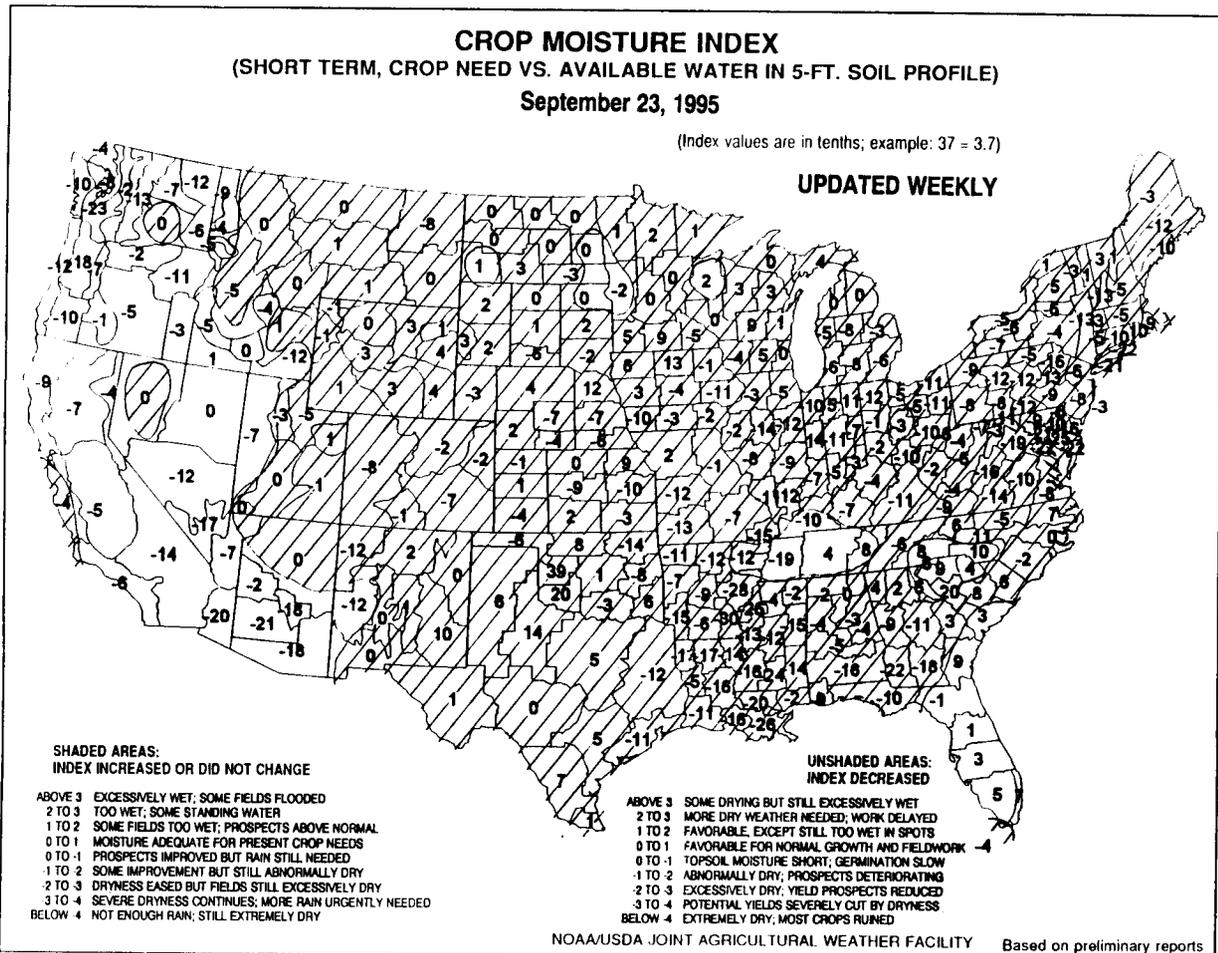
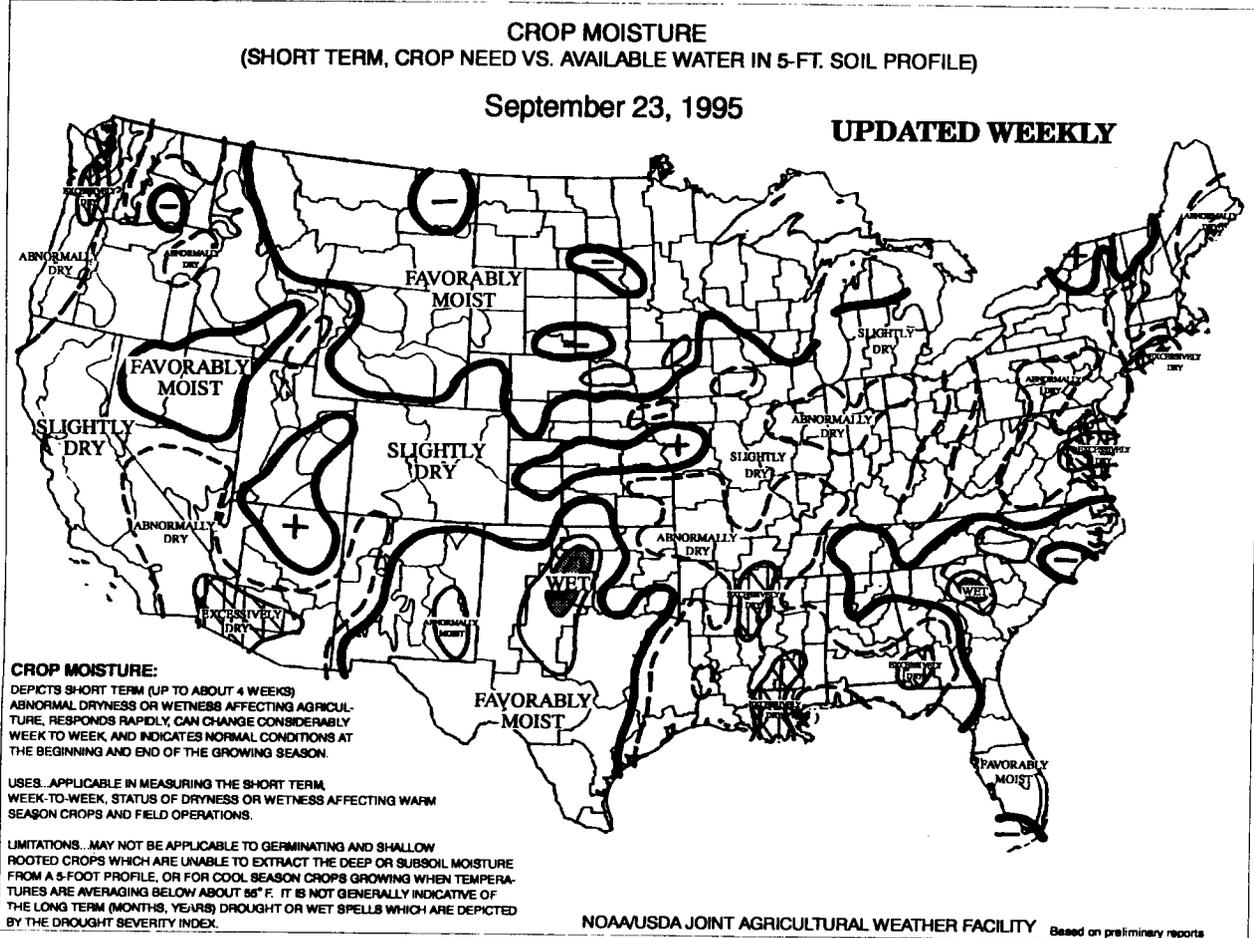
Early in the week, hot weather prevailed across the West and South, resulting in more than a dozen daily-record highs. On Sunday, records were

(Continued to p. 3)

### Contents

Page

Highlights & Extreme Minimum Temperature Map . . .	1
Crop Moisture Maps . . . . .	2
Total Precipitation & Temperature Departure Maps . . . . .	3
National Weather Data for Selected Cities . . . . .	4
National Agricultural Summary . . . . .	7
Crop Progress and Condition Tables . . . . .	8
State Summaries of Weather and Agriculture . . . . .	10
International Weather and Crop Summary . . . . .	16
Subscription and Mailing Permit Information & Selected U.S. Snow and Freeze Records . . . . .	20





# National Weather Data for Selected Cities

Weather Data for the Week Ending September 23, 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		
AL BIRMINGHAM	80	61	87	52	71	-2	3.6	2.7	3.1	5.5	180	29.8	72	93	62	0	0	0	2	2		
MOBILE	86	66	91	57	76	-1	1.0	0.3	0.6	1.3	26	54.7	109	93	61	5	0	0	2	1		
MONTGOMERY	85	64	91	57	75	0	0	0	0	0	42	27.9	66	92	56	3	0	0	3	3		
AK ANCHORAGE	61	52	67	50	57	10	0	0	0	0	110	12.0	108	89	61	0	0	0	5	0		
BARROW	55	36	62	33	46	17	0	0	0	0	29	2.8	82	91	66	0	0	0	0	0		
FAIRBANKS	73	47	78	36	60	17	0	0	0	0	99	7.8	94	81	33	0	0	0	0	0		
JUNEAU	63	47	70	40	55	7	0	0	0	0	87	0	97	97	65	0	0	0	1	1		
KODIAK	55	50	59	47	53	6	10.3	8.6	5.1	17.6	334	69.4	151	98	86	0	0	0	7	7		
ROME	57	50	64	46	54	13	0	0	0	0	56	11.0	98	90	72	0	0	0	0	0		
AZ PHOENIX	100	77	101	76	89	0	0	0	0	0	18	6.7	129	55	18	7	7	0	0	0		
PRISCOTT	84	56	87	51	70	0	0	0	0	0	12	10.4	70	57	22	0	0	0	0	0		
TUCSON	94	69	96	67	82	0	0	0	0	0	11	7.6	85	71	23	0	0	0	1	1		
YUMA	104	79	105	76	91	0	0	0	0	0	3	3.2	146	62	35	0	0	0	0	0		
AR FORT SMITH	73	56	87	40	61	0	0	0	0	0	89	29.5	100	92	35	0	0	0	2	2		
LITTLE ROCK	75	57	87	44	66	0	0	0	0	0	32	26.5	76	90	51	0	0	0	1	1		
CA BAKERSFIELD	96	64	100	59	80	0	0	0	0	0	0	7.9	194	44	21	6	0	0	0	0		
BUREKA	68	53	71	50	60	0	0	0	0	0	12	36.3	164	90	49	0	0	0	0	0		
FRESNO	95	62	99	59	78	0	0	0	0	0	0	15.2	213	75	23	6	0	0	0	0		
LOS ANGELES	74	63	78	62	68	0	0	0	0	0	0	21.0	257	92	62	0	0	0	0	0		
REDDING	97	61	103	55	79	0	0	0	0	0	0	46.6	233	16	7	4	0	0	0	0		
SACRAMENTO	92	58	100	52	75	4	0	0	0	0	0	23.8	215	82	31	4	0	0	0	0		
SAN DIEGO	74	65	76	63	70	-2	0	0	0	0	0	15.9	245	89	67	0	0	0	0	0		
SAN FRANCISCO	74	55	88	53	64	0	0	0	0	0	0	21.0	170	94	52	0	0	0	0	0		
CO DENVER	62	40	89	27	51	-10	1.0	0	0	0	131	14.0	111	89	46	0	3	3	3	1		
GRAND JUNCTION	76	47	87	34	62	-5	0	0	0	0	18	8.7	119	78	21	0	0	2	0	0		
PUEBLO	70	39	90	30	55	-10	0	0	0	0	1.5	196	15.4	160	93	39	1	4	3	3		
CT BRIDGEPORT	71	58	77	53	65	0	2.0	1.2	1.4	2.2	94	20.1	66	84	60	0	0	2	2	2		
HARTFORD	70	49	74	44	60	-2	2.2	1.4	1.4	2.4	81	24.0	76	90	57	0	0	2	2	2		
DC WASHINGTON	74	61	81	53	68	-2	1.4	0	0	0	118	23.5	82	83	59	0	0	2	2	2		
FL PANAMA CITY	87	71	89	67	79	2	0	0	0	0	23	37.5	73	93	60	0	0	0	0	0		
DAYTONA BEACH	89	71	90	70	80	1	1.1	0	0	0	170	39.2	106	97	58	3	0	1	1	1		
JACKSONVILLE	87	70	91	67	79	0	1.7	0	0	0	4.8	86	40.6	104	96	62	3	0	1	1		
KEY WEST	91	77	91	75	84	1	1.5	0	0	0	3.9	85	26.5	91	93	63	7	0	5	1		
MIAMI	91	78	94	74	85	3	0	0	0	0	7.1	119	62.9	143	87	59	7	0	3	0		
ORLANDO	92	73	93	70	82	2	0	0	0	0	1.9	40	34.9	87	96	53	7	0	1	0		
TALLAHASSEE	90	70	93	66	80	2	1.2	0	0	0	2.1	47	39.8	75	92	55	3	0	2	1		
TAMPA	89	76	90	74	83	2	0	0	0	0	1.9	38	46.2	125	90	57	3	0	2	0		
WEST PALM BEACH	90	76	92	75	83	2	0	0	0	0	5.7	105	48.1	109	89	60	4	0	1	0		
GA ATLANTA	77	61	82	52	69	-2	0	0	0	0	2.5	95	30.8	79	93	67	0	0	2	1		
AUGUSTA	84	64	88	53	74	1	2.0	1.4	1.0	3.5	145	33.7	95	94	57	0	0	3	2			
MACON	85	63	90	56	74	0	0	0	0	0	2.0	89	31.1	89	97	60	2	0	2	0		
SAVANNAH	86	69	91	59	77	2	0	0	0	0	1.4	38	42.8	105	96	61	1	0	3	0		
HI HILO	88	69	89	67	79	3	0	0	0	0	1.1	16	61.5	67	77	48	0	0	0	0		
HONOLULU	92	75	93	73	84	3	0	0	0	0	0	10.3	81	77	53	7	0	0	0	0		
KAHULUI	91	68	96	66	80	1	0	0	0	0	0	9.5	70	73	53	3	0	0	0	0		
LIHUE	86	73	89	71	80	0	0	0	0	0	1.5	89	17.6	64	91	65	0	0	3	0		
ID BOISE	76	46	84	36	61	0	0	0	0	0	0	9.1	110	60	18	0	0	1	0	0		
LEWISTON	78	49	92	41	64	1	0	0	0	0	0	2	25	11.4	126	67	22	1	0	0	0	
POCATELLO	71	38	81	23	55	-3	0	0	0	0	0	4	63	12.4	143	75	21	0	2	0	0	
IL CHICAGO	61	42	71	29	52	-11	0	0	0	0	1.0	34	24.4	90	92	53	0	2	2	0	0	
MOLINE	60	42	73	31	51	-12	0	0	0	0	0	8	24	27.7	91	92	52	0	1	2	0	0
PEORIA	63	43	74	29	53	-12	0	0	0	0	1.0	33	27.3	99	95	48	0	1	2	0	0	
QUINCY	61	44	72	33	53	-13	0	0	0	0	0	8	22	28.0	93	81	47	0	0	2	0	0
ROCKFORD	58	41	66	29	49	-13	0	0	0	0	1.4	47	25.1	90	97	58	0	1	2	0	0	
SPRINGFIELD	65	44	77	32	55	-11	0	0	0	0	0	6	24	26.5	99	95	47	0	1	2	0	0
IN EVANSVILLE	73	50	82	36	61	-8	0	0	0	0	0	5	20	38.9	114	90	47	0	0	2	0	0
FORT WAYNE	67	44	75	29	55	-8	0	0	0	0	0	4	21	24.9	96	96	46	0	1	3	0	0
INDIANAPOLIS	67	45	75	34	56	-9	0	0	0	0	1.3	57	28.0	93	94	48	0	0	3	0	0	
SOUTH BEND	63	44	72	34	54	-9	0	0	0	0	0	3	32.3	112	92	50	0	0	4	0	0	
IA DES MOINES	62	42	74	31	52	-10	1.1	0	0	0	1.7	56	26.7	98	87	43	0	1	3	1	2	
SIOUX CITY	59	40	69	25	50	-12	2.5	1.8	1.7	2.9	127	20.5	96	90	47	0	1	3	2	1	1	
WATERLOO	60	40	71	32	50	-10	0	0	0	0	1.7	4	51	24.3	89	93	46	0	2	4	1	1
KS CONCORDIA	65	42	79	29	54	-12	1.0	0	0	0	0	5	55	23.6	98	93	53	0	1	4	1	1
DODGE CITY	67	44	86	29	55	-12	0	0	0	0	0	5	76	18.6	101	96	59	0	2	2	1	1
GOODLAND	64	41	87	29	53	-10	1.3	1.0	0	0	1.6	14	18.9	119	93	54	0	3	4	2	2	
TOPEKA	66	44	82	31	55	-11	0	0	0	0	0	5	85	34.6	124	89	51	0	1	3	0	0
WICHITA	67	48	86	32	57	-11	0	0	0	0	0	8	27	32.3	117	91	54	0	1	3	0	0
KY BOWLING GREEN	75	55	85	44	65	-3	0	0	0	0	2.5	85	27.6	73	89	53	0	0	0	2	0	0
LEXINGTON	70	51	79	38	61	-6	0	0	0	0	2.9	114	40.6	120	95	59	0	0	2	0	0	0
LOUISVILLE	72	52	80	39	62	-6	0	0	0	0	1.3	3	53	29.7	88	98	59	0	0	2	0	0
LA BATON ROUGE	88	66	94	54	77	0	1.2	0	0	0	1.2	2.7	69	57.5	123	94	54	5	0	4	1	1
LAKE CHARLES	88	69	94	55	79	2	4.7	3.4	3.2	4.8	107	48.9	121	96	59	5	0	4	2	1	1	
NEW ORLEANS	89	68	95	61	78	1	0	0	0	0	0	7	16	54.8	115	95	59	5	0	2	0	0
SHREVEPORT	80	63	96	49	72	-3	2.6	1.7	1.5	3.2	112	35.1	98	94	58	1	0	3	2	2	2	

Based on 1961-90 normals.

Weather Data for the Week Ending September 23, 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	NUMBER OF DAYS			
																	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
ME CARIBOU	62	41	70	29	52	0	.5	.3	.3	1.6	60	22.4	86	89	65	0	0	1	3	0
ME PORTLAND	64	46	69	38	55	-3	1.4	.7	.7	2.2	94	24.5	82	95	57	0	0	0	1	1
MD BALTIMORE	75	61	84	53	68	1	1.6	.9	.9	2.6	98	22.7	75	85	58	0	0	0	2	2
MD SALISBURY	77	59	84	53	68	1	1.7	.9	.9	1.9	64	19.4	56	93	55	0	0	0	2	2
MA BOSTON	67	54	79	50	60	-3	3.2	2.5	2.8	3.3	140	20.0	68	90	59	0	0	0	1	1
MA CHATHAM	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
MI ALPENA	58	39	68	30	49	-7	.7	.1	.1	1.6	63	16.9	77	92	56	0	0	0	3	0
MI DETROIT	64	46	71	34	55	-7	.2	.5	.5	1.5	23	19.8	81	90	48	0	0	0	0	0
MI FLINT	61	41	67	27	51	-9	.8	.0	.0	1.0	37	17.6	78	94	57	0	0	0	1	0
MI GRAND RAPIDS	59	42	65	32	50	-9	.6	.4	.4	1.6	47	26.6	102	93	57	0	0	0	4	0
MI HOOVERTON LAKE	58	42	67	33	50	-6	.9	.1	.1	2.0	74	22.8	108	89	57	0	0	0	4	0
MI LANSING	60	39	67	26	49	-10	.9	.0	.0	1.0	34	18.1	78	97	55	0	0	2	4	1
MI MARQUETTE	54	35	68	26	44	-8	.5	.4	.4	5.0	159	28.6	113	94	45	0	0	1	4	0
MI MURKIN	57	41	63	32	49	-11	1.7	.2	.2	1.0	33	19.2	84	93	57	0	0	0	4	2
MI SAULT ST. MARIE	53	39	65	33	46	-8	1.7	.8	.9	4.8	167	29.1	122	95	66	0	0	0	4	2
MI ALEXANDRIA	54	38	70	30	46	-10	.1	.5	.5	1.4	19	17.4	84	92	45	0	0	1	2	0
MI DOLOTH	54	35	67	28	45	-8	.3	.6	.6	1.5	55	25.2	107	92	44	0	0	3	2	0
MI INT'L FALLS	53	29	63	24	41	-11	.3	.3	.3	1.6	65	16.7	85	94	47	0	0	1	4	0
MI MINNEAPOLIS	55	39	68	32	48	-11	.3	.3	.3	.7	33	18.5	81	93	48	0	0	1	4	0
MI ROCHESTER	57	37	65	30	46	-12	1.0	.0	.0	1.5	15	21.3	89	94	54	0	0	3	3	1
MI GREENWOOD	84	60	93	45	72	-2	1.5	.5	.5	1.5	13	29.9	76	92	40	2	0	3	3	0
MI JACKSON	86	63	94	52	75	1	1.5	.8	.8	1.5	66	40.8	102	92	45	3	0	0	3	1
MI MERRIDIAN	87	62	94	53	75	1	1.0	.2	.2	1.4	52	36.7	87	97	52	4	0	0	3	1
MO CAPE GIRARDEAU	70	52	79	37	61	-8	.1	.7	.7	1.1	11	18.8	88	93	48	0	0	0	2	0
MO COLUMBIA	64	45	79	33	55	-11	.1	.8	.8	1.2	11	17.1	86	93	48	0	0	1	2	0
MO KANSAS CITY	66	43	82	31	55	-12	.8	.4	.4	1.1	20	31.8	107	93	49	0	0	1	2	0
MO SAINT LOUIS	66	50	76	40	58	-10	.0	.2	.2	.6	34	35.4	127	86	48	0	0	0	2	0
MO SPRINGFIELD	67	48	86	33	57	-10	.9	.2	.2	1.8	49	37.3	116	93	51	0	0	0	2	1
NE BILLINGS	56	38	69	28	47	-10	.3	.9	.9	.8	78	13.9	115	81	48	0	0	1	3	0
NE GLASGOW	57	31	72	15	44	-11	.3	.2	.2	.1	16	11.3	119	77	30	0	0	3	1	0
NE GREAT FALLS	58	31	74	20	45	-10	.3	.2	.2	.9	92	12.8	101	91	40	0	0	4	2	0
NE HAVRE	58	31	74	20	44	-11	.3	.2	.2	.6	64	13.9	147	86	35	0	0	4	2	0
NE HELENA	58	33	75	20	45	-8	.4	.2	.2	1.5	166	10.5	109	88	46	0	0	3	1	0
NE KALISPELL	62	33	79	22	48	-4	.4	.1	.1	.4	53	13.3	104	88	34	0	0	4	1	0
NE MILES CITY	60	34	75	19	47	-11	.3	.0	.0	.3	27	11.0	94	83	32	0	0	2	2	0
NE MISSOULA	63	39	82	28	51	-3	.5	.2	.2	2.2	253	11.3	107	90	35	0	0	2	3	0
NE GRAND ISLAND	62	38	76	25	50	-12	1.2	.6	.6	1.3	59	21.0	99	93	50	0	0	3	2	2
NE LINCOLN	65	41	83	27	53	-11	.7	.1	.1	2.3	83	21.3	91	91	44	0	0	1	2	1
NE NORFOLK	61	41	75	26	51	-11	3.6	3.1	3.1	4.4	227	29.0	136	90	43	0	0	1	4	1
NE NORTH PLATTE	63	39	81	24	51	-9	1.2	.8	.8	1.3	105	15.7	93	92	52	0	0	2	3	2
NE OMAHA	63	43	82	31	53	-11	.9	.1	.1	.6	52	22.9	94	85	51	0	0	1	2	1
NE SCOTTSBLUFF	59	37	85	24	48	-11	.6	.3	.3	.7	91	14.8	114	92	49	0	0	2	4	0
NE VALENTINE	59	37	76	23	48	-14	.1	.5	.1	.3	18	17.4	90	87	48	0	0	2	1	0
NV RLY	76	35	81	27	55	1	.7	.3	.3	.0	15	10.2	133	82	16	0	0	2	0	0
NV LAS VEGAS	95	69	101	63	82	3	.0	.1	.0	.0	0	3.7	121	41	13	5	0	0	0	0
NV RENO	83	44	89	40	64	5	.0	.1	.0	.0	0	10.0	193	74	16	0	0	0	0	0
NV WINDHECCA	81	39	87	32	60	2	.0	.1	.0	.1	22	8.1	142	64	13	0	0	1	0	0
NE CONCORD	67	42	75	31	55	-3	1.8	1.2	1.1	2.1	98	23.0	80	95	47	0	0	1	2	2
NJ ATLANTIC CITY	72	55	77	50	63	-1	3.3	2.7	2.1	3.6	155	24.6	82	93	60	0	0	0	2	2
NM ALBUQUERQUE	77	51	86	40	64	-3	.2	.0	.1	1.7	211	4.9	71	74	32	8	0	0	3	0
NM CLOVIS	76	50	86	37	63	-4	.9	.5	.5	1.7	97	9.5	65	95	46	0	0	0	0	0
NM ROSWELL	77	54	88	41	65	-6	.9	.1	.1	.0	..	..	..	90	45	0	0	0	0	0
NY ALBANY	67	48	72	40	58	-2	.9	.3	.3	1.6	68	19.2	72	96	62	0	0	0	2	1
NY BINGHAMTON	65	46	70	37	56	-3	1.7	.9	1.5	3.5	134	21.0	77	96	61	0	0	0	4	1
NY BUFFALO	65	47	71	38	56	-5	.8	.1	.4	1.3	48	20.9	77	88	50	0	0	0	4	0
NY NEW YORK	71	59	77	54	65	-2	1.8	1.0	1.1	1.8	70	22.3	72	84	54	0	0	0	2	2
NY ROCHESTER	66	47	70	38	56	-4	.7	.0	.4	1.4	61	18.6	80	94	57	0	0	0	3	0
NY SYRACUSE	68	47	74	37	57	-3	.6	.0	.4	2.5	86	17.9	64	91	62	0	0	0	3	0
NC ASHEVILLE	72	57	77	48	64	-1	.5	.5	.3	1.8	53	42.9	102	98	68	0	0	0	3	0
NC CHARLOTTE	79	61	85	46	70	-1	1.0	.2	.9	1.6	61	33.9	105	91	58	0	0	0	3	1
NC GREENSBORO	77	59	84	47	68	3	1.0	.1	.8	2.2	80	30.5	95	90	59	0	0	0	3	1
NC HATTERAS	81	71	87	66	76	3	2.5	1.3	1.1	7.8	190	53.1	131	90	63	0	0	0	4	3
NC NEW BERN	80	65	88	56	73	0	1.0	.2	.8	3.2	77	20.7	48	95	69	0	0	0	3	1
NC RALEIGH	78	61	87	50	70	0	1.7	.9	1.2	2.1	82	32.3	103	97	64	0	0	0	4	1
NC WILMINGTON	81	65	87	54	73	1	.8	.8	.4	6.2	114	51.3	115	97	69	0	0	0	3	0
ND BISMARCK	59	32	71	20	45	-10	.2	.1	.2	.8	65	16.7	125	85	36	0	0	4	1	0
ND FARGO	58	33	73	23	46	-10	.1	.4	.1	1.0	66	16.2	102	86	41	0	0	3	2	0
ND GRAND FORKS	55	33	68	28	44	-10	.2	.3	.2	2.0	113	21.6	141	91	45	0	0	3	2	0
ND WILLISTON	56	32	70	18	44	-11	.7	.3	.2	.5	51	13.1	113	80	38	0	0	3	1	0
OH AERON-CANTON	65	46	72	35	56	-7	.5	.2	.4	.9	33	26.9	97	92	58	0	0	0	3	0
OH CINCINNATI	69	50	78	39	60	-7	.5	.1	.5	2.4	109	33.8	108	91	55	0	0	0	4	0
OH CLEVELAND	67	50	75	36	59	-4	.6	.2	.4	1.0	38	29.6	109	91	55	0	0	0	4	0
OH COLUMBUS	69	49	76	33	59	-3	.2	.5	.2	1.0	41	36.7	129	96	54	0	0	0	2	0
OH DAYTON	66	46	75	33	56	-8	.4	.2	.3	1.0	52	40.8	148	94	51	0	0	0	3	0

Based on 1961-90 normals.

Weather Data for the Week Ending September 23, 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	TEMP. °F		PRECIP.	
																	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
TOLEDO	64	46	75	33	55	-7	.7	.1	.4	1.4	63	24.0	98	97	53	0	0	0	0	
YOUNGSTOWN	65	43	71	32	54	-7	.5	.3	.3	2.0	39	21.8	78	96	56	0	0	1	0	
OK OKLAHOMA CITY	70	54	83	38	62	-10	1.3	.3	.7	4.6	158	27.4	106	93	64	0	0	3	0	
TULSA	70	52	84	37	61	-10	.4	.8	.2	2.0	55	35.9	118	97	59	0	0	3	1	
OR ASTORIA	74	54	82	49	64	6	.8	.7	.2	.1	19	38.4	98	87	37	0	0	0	0	
BURNS	76	32	84	22	54	1	.8	.1	.1	.1	16	9.9	147	72	20	0	3	0	0	
MEDFORD	91	52	94	50	72	8	.0	.0	.0	.0	0	0	135	71	16	5	0	0	0	
PENDLETON	79	47	84	41	63	1	.0	.1	.0	.0	69	14.3	151	65	25	0	0	0	0	
PORTLAND	81	55	87	48	68	6	.4	.4	.0	.1	11	22.3	104	74	29	0	0	0	0	
SALEM	81	50	87	43	65	5	.0	.4	.0	.4	33	26.6	117	88	34	0	0	0	0	
PA ALLENTOWN	72	54	81	47	63	0	1.3	.4	.7	1.7	54	23.9	74	87	54	0	0	0	0	
ERIE	64	50	68	39	57	-6	.4	.7	.4	.5	15	20.8	71	85	52	0	0	2	0	
HARRISBURG	73	57	83	47	65	0	1.1	.2	.8	1.2	43	23.0	76	93	69	0	0	2	1	
PHILADELPHIA	74	60	82	53	67	2	2.0	1.1	1.3	2.7	82	19.2	96	90	61	0	0	2	1	
PITTSBURGH	69	50	78	39	60	-3	.8	.2	.7	1.8	77	21.3	76	90	59	0	0	2	2	
SCRANTON	70	51	77	40	60	-1	1.6	.8	1.0	1.8	71	16.9	62	87	57	0	0	4	3	
RI PROVIDENCE	69	53	75	49	61	-2	3.1	2.3	2.7	3.5	132	24.4	76	89	59	0	0	4	1	
SC CHARLESTON	84	69	90	58	76	1	1.0	.0	.7	5.6	145	40.7	97	96	68	0	0	4	1	
COLOMBIA	84	66	91	52	75	2	3.1	2.3	2.0	5.0	170	45.8	125	93	57	1	0	2	2	
FLORINCE	84	66	91	53	75	2	.8	.0	.5	1.6	59	32.7	94	96	58	1	0	3	2	
GREENVILLE	79	61	86	50	70	0	.8	.1	.8	2.1	69	46.9	121	92	58	0	0	3	1	
SD ABERDEEN	58	33	66	20	46	-12	.1	.3	.1	.3	16	18.7	104	85	44	0	0	3	1	
HURON	58	39	64	24	48	-11	.3	.1	.2	1.4	105	25.3	148	90	50	0	3	2	1	
RAPID CITY	56	35	73	19	45	-13	.6	.3	.2	.6	60	16.4	115	87	53	0	0	2	0	
SIOUX FALLS	58	41	67	27	49	-10	.6	.1	.6	.9	36	26.2	133	89	49	0	2	2	1	
TN CHATTANOOGA	75	59	81	53	67	-4	2.0	1.0	1.0	5.5	171	39.5	100	93	67	0	0	4	2	
KNOXVILLE	74	58	84	51	66	-3	.8	.1	.5	2.1	89	30.3	86	97	67	0	0	4	2	
MEMPHIS	79	58	88	46	68	-5	.8	.8	.2	.3	12	40.0	107	91	46	0	0	0	0	
NASHVILLE	76	57	83	46	66	-4	.2	.6	.2	4.6	169	36.6	104	96	53	0	0	4	0	
TX ABILENE	74	57	90	44	66	-9	1.1	.3	.8	2.4	95	21.6	116	92	64	1	1	5	1	
AMARILLO	70	48	81	35	59	-9	1.7	1.3	1.2	2.3	142	16.8	101	95	60	0	0	3	1	
AUSTIN	83	63	95	49	73	-6	1.3	.5	.8	1.8	72	27.7	119	94	57	0	0	4	1	
BRAUNSBURG	87	68	95	54	78	0	.3	-1.2	.3	.6	13	40.3	96	96	60	4	4	3	1	
BROWNSVILLE	91	71	96	55	81	0	.8	.7	.8	2.0	43	18.3	92	92	58	0	0	3	0	
CORPUS CHRISTI	90	71	98	56	81	0	3.4	2.1	2.8	4.0	93	23.2	101	94	51	0	0	1	1	
DEL RIO	85	65	97	48	75	-4	2.5	1.9	1.7	3.1	144	11.4	61	83	52	0	0	4	2	
EL PASO	81	56	89	47	68	-5	1.0	.6	1.0	1.4	105	5.8	86	89	40	0	0	4	2	
FORT WORTH	76	60	87	44	68	-6	.8	.4	.4	1.5	43	31.9	116	91	63	0	0	2	1	
GALVESTON	86	72	94	44	79	0	.1	-1.3	.0	.1	2	24.8	79	85	57	5	0	4	0	
HOUSTON	88	67	100	53	78	1	2.5	1.2	2.2	2.5	58	33.2	87	94	56	4	0	4	1	
LOSBROCK	72	53	82	40	62	-7	1.1	.5	1.0	7.4	361	17.1	115	92	66	0	0	4	1	
MIDLAND	79	56	88	42	68	-5	.5	.3	.4	1.7	67	10.3	86	95	53	0	0	4	1	
SAN ANGELO	79	57	93	44	68	-6	.4	.5	.3	2.3	87	17.4	113	94	59	1	0	3	0	
SAN ANTONIO	85	64	98	51	75	-4	4.2	3.4	3.6	4.5	173	20.6	90	90	51	3	0	4	1	
VICTORIA	88	67	98	52	78	0	3.6	2.1	2.2	4.8	98	26.3	80	93	52	0	0	4	2	
WACO	80	60	94	46	70	-7	2.7	1.9	2.3	3.9	147	33.6	144	98	64	2	2	5	2	
WICHITA FALLS	72	57	87	46	65	-9	.1	-.9	.1	.6	19	20.5	84	94	60	0	0	5	1	
UT CEDAR CITY	79	46	85	36	63	2	.0	-.2	.0	.7	0	10.4	121	60	16	0	0	2	0	
SALT LAKE CITY	75	49	84	38	62	-2	.1	-.2	.1	.3	34	13.4	114	66	24	0	0	0	0	
VT BURLINGTON	67	45	76	37	56	-1	1.1	.4	.9	2.5	97	20.0	79	90	55	0	0	1	1	
VA NORFOLK	77	64	86	57	71	0	2.0	1.1	1.0	5.0	161	26.1	75	86	63	0	0	2	2	
RICHMOND	75	58	85	50	66	-2	1.0	.3	.5	3.6	138	24.4	75	90	50	0	0	3	2	
ROANOKE	73	56	79	45	64	-2	.9	.1	.4	1.8	66	31.0	102	90	59	0	0	2	1	
WA QUILLAYUTE	73	49	80	44	61	5	.8	-1.2	.7	.2	5	54.4	86	91	35	0	0	3	0	
SEATTLE-TACOMA	77	56	84	49	66	7	.0	-.5	.0	.3	19	21.3	98	77	30	0	0	1	0	
SPOKANE	71	44	83	34	57	0	.8	-.1	.7	1.1	206	15.5	143	81	30	0	0	0	0	
YAKIMA	80	44	88	33	62	3	.0	-.1	.0	.7	13	6.1	121	64	25	0	0	1	0	
WV BECKLEY	65	51	72	41	58	-4	.8	.0	.7	2.1	82	30.6	98	96	74	0	0	2	1	
CHARLESTON	69	52	79	40	61	-6	1.2	.4	.6	2.6	102	36.8	115	99	66	0	0	4	1	
HUNTINGTON	71	52	78	39	62	-3	.8	.1	.5	3.6	143	34.1	105	97	63	0	0	4	0	
PARKERSBURG	69	51	75	32	60	-6	.2	-.5	.2	1.1	48	..	..	97	63	0	0	4	0	
WI GREEN BAY	57	40	68	28	49	-9	1.1	.3	1.0	2.5	89	20.8	94	92	59	0	1	1	0	
LACROSSE	58	42	67	33	50	-10	1.6	.7	..	1.8	56	24.1	98	92	47	0	0	4	1	
MADISON	57	39	64	28	48	-12	.9	.0	.7	1.3	44	24.9	99	91	53	0	2	3	1	
MILWAUKEE	57	44	63	32	51	-10	.5	-.3	.3	1.1	42	21.9	87	89	56	0	2	3	1	
WASAU	55	39	66	29	47	-9	.9	-.1	.9	2.1	60	27.2	105	89	56	0	1	3	0	
WY CASPER	55	35	87	26	45	-11	1.4	1.2	.8	1.8	254	16.1	164	88	50	0	3	6	1	
CHEYENNE	56	36	85	24	46	-10	1.5	1.2	.6	2.9	282	18.2	147	88	51	0	3	5	1	
LANDER	58	39	82	28	48	-8	.7	.4	.4	.8	98	15.9	155	87	45	0	3	4	0	
SHERIDAN	56	35	74	24	45	-10	1.2	.9	.5	1.5	143	13.9	121	88	49	0	2	5	2	
PZ SAN JUAN	93	79	96	78	86	4	.5	-.7	.5	6.5	162	42.1	121	83	57	6	0	4	0	

Based on 1961-90 normals.

## National Agricultural Summary

### HIGHLIGHTS for September 18-24, 1995

**Unusually cold weather at midweek brought a killing frost to many areas in the western and central Corn Belt ending their growing season 1 to 2 weeks early. Damage to late-planted and immature row crops was likely. The cold weather also brought 1 to 9 inches of**

**snow across most of Wyoming, and much of Colorado, western Nebraska, and western Kansas, which caused planting and harvesting delays. Heavy rains fell from western Texas to central New England, bringing some relief from the dry conditions there, but delaying planting and harvesting activities.**

The **winter wheat** crop in the 19 major producing States was 25 percent (%) planted, 12 percentage points behind the 5-year average. Dry conditions in the Northwest allowed good progress. Progress in Washington and Idaho was ahead of last year and the average, while progress in Oregon and Montana was ahead of last year but behind the average. Over 20% of the crop in the upper Great Plains was planted before rain and snow stopped the planting. Progress in Nebraska, Colorado, and South Dakota increased by at least 20 points each, but all three States were still behind last year and the average. Wheat seeding in Kansas will resume when soil conditions are dry. Showers hindered planting from the Southeast to Texas, although Texas' planting advanced 10 points.

**Spring wheat** harvest was 93% complete, 1 point ahead of normal, but 4 points behind last year. Harvest advanced 5 points each in Montana and North Dakota. Rain and snow showers temporarily delayed harvest in North Dakota.

**Corn** condition in the 17 major producing States at 53% good to excellent declined 2 points from last week. Percentage of the crop mature, rated at 67% of the acreage, was 8 points ahead of the average. Crop maturity was behind the average in the upper and central Great Plains. Freezing temperatures in Illinois were expected to cause little damage to the crop. Producers in Iowa, Kansas, and Nebraska were waiting to assess the damage from the freeze. The Ohio crop was maturing rapidly. Corn was 10% harvested, 2 points behind last year and the average. Harvest was ahead of the average in the Southeast and Great Lake States, but behind the average in the central and northern Great Plains. Harvest was gaining momentum in Indiana.

**Cotton** condition was 37 percent good to excellent in the 14 major producing States, down 5 points from last week. Cotton bolls opening was 69% complete, up 7 points from last week

and 3 points ahead of the average for the Nation. Cotton acreage harvested was estimated at 16%, up 1 point from last year and 2 points ahead of the average. Harvest progress was ahead of the average in the Delta and Texas, and near average in the Southeast. In Texas, the remaining cotton in the south-central areas and coastal bend was defoliated and harvested, even though the crop was not fully mature. Cold weather hampered crop maturity in the Texas plains, while rains hampered harvest progress in South Carolina. Harvest was increasing in Arizona, Arkansas, and California, but insect pressure remained a problem in Arizona.

**Sorghum** condition declined due to the cold weather with 46% of the crop rated good to excellent, compared with 52% last week. About 87% of the sorghum acres showed coloring, 1 point behind normal. Sorghum acreage mature, at 41%, is 14 points behind the average, and harvest, at 28%, was equal to the average. Late-planted sorghum in South Dakota and Nebraska was probably severely damaged by the frost. Missouri and Kansas producers were concerned about freeze damage to their crops. In Texas, cold weather was slowing crop maturity on the plains.

**Rice** harvest reached 62% complete, 9 points ahead of the average, but 2 points behind the average. The harvest made good progress in the Delta.

**Soybean** condition rated 47% good to excellent, 2 points less than last week. Soybeans dropping leaves, at 54%, was 1 point less than average. Nebraska, Missouri, and Illinois were the farthest behind in the leaf dropping stage. Soybean acreage harvested, at 5%, is 10 points less than last year and 3 points less than the average. Midwest producers were concerned about freeze damage to late-planted soybeans. The freeze most likely caused yield and quality damage to the Illinois crop.

# Crop Progress and Condition

Week Ending September 24, 1995

## Soybeans Percent Dropping Leaves

	Sep 24 1995	Prev Week	Prev Year	5-Yr Avg
AL	50	32	20	27
AR	17	12	17	13
GA	33	16	46	40
IL	51	27	83	64
IN	83	50	83	68
IA	58	25	96	59
KS	37	17	80	67
KY	35	23	33	31
LA	51	39	42	38
MI	90	50	49	50
MN	86	42	91	66
MS	57	46	55	34
MO	18	7	57	44
NE	26	8	94	68
NC	16	10	18	18
OH	92	53	89	76
SC	2	1	3	5
SD	61	39	90	70
TN	43	23	28	27
ALL	54	29	73	55

These 19 States produced 94% of the 1994 soybean crop.

## Soybeans Percent Harvested

	Sep 24 1995	Prev Week	Prev Year	5-Yr Avg
AL	2	NA	1	2
AR	3	NA	5	3
GA	1	NA	2	1
IL	4	NA	24	15
IN	10	NA	13	9
IA	2	NA	21	7
KS	1	NA	14	9
KY	2	NA	2	2
LA	21	NA	11	10
MI	3	NA	5	3
MN	4	NA	9	5
MS	36	NA	22	8
MO	0	NA	6	4
NE	0	NA	29	13
NC	0	NA	0	0
OH	7	NA	15	8
SC	0	NA	0	0
SD	2	NA	12	9
TN	1	NA	2	1
ALL	5	NA	15	8

These 19 States produced 94% of the 1994 soybean crop.

## Corn Percent Mature

	Sep 24 1995	Prev Week	Prev Year	5-Yr Avg
CO	13	5	58	43
GA	100	100	100	100
IL	69	46	87	64
IN	83	51	68	58
IA	79	46	96	69
KS	54	32	92	84
KY	84	78	79	77
MI	90	38	34	28
MN	79	32	80	42
MO	49	38	93	76
NE	30	8	89	63
NC	100	98	99	97
OH	47	27	36	39
PA	64	50	22	20
SD	49	16	83	55
TX	92	85	94	90
WI	83	55	44	34
ALL	67	40	79	59

These 17 States produced 91% of the 1994 corn crop.

## Corn Percent Harvested

	Sep 24 1995	Prev Week	Prev Year	5-Yr Avg
CO	0	0	7	3
GA	95	91	89	87
IL	7	3	6	14
IN	13	6	6	9
IA	4	3	8	6
KS	8	4	39	36
KY	41	35	21	23
MI	10	1	9	4
MN	5	0	3	2
MO	21	17	26	24
NE	0	0	10	8
NC	70	62	51	54
OH	4	2	4	6
PA	10	6	1	2
SD	1	0	4	6
TX	76	71	75	75
WI	7	0	3	2
ALL	10	7	12	12

These 17 States produced 93% of the 1994 corn crop.

## Sorghum Percent Coloring

	Sep 24 1995	Prev Week	Prev Year	5-Yr Avg
AR	99	98	100	96
CO	80	78	81	71
IL	59	57	96	88
KS	81	67	97	84
LA	100	100	100	99
MS	100	97	100	98
MO	81	69	98	89
NE	87	76	99	91
NM	58	48	66	76
OK	78	67	92	90
SD	91	75	89	78
TX	97	93	92	92
ALL	87	77	95	88

These 12 States produced 98% of the 1994 sorghum crop.

## Sorghum Percent Mature

	Sep 24 1995	Prev Week	Prev Year	5-Yr Avg
AR	95	91	94	83
CO	5	1	20	27
IL	17	7	74	50
KS	14	5	65	37
LA	98	92	99	94
MS	98	89	99	91
MO	49	40	75	56
NE	16	1	87	53
NM	3	1	22	24
OK	15	13	26	25
SD	28	15	60	45
TX	85	82	80	81
ALL	41	34	71	55

These 12 States produced 98% of the 1994 sorghum crop.

## Sorghum Percent Harvested

	Sep 24 1995	Prev Week	Prev Year	5-Yr Avg
AR	77	NA	79	58
CO	0	NA	4	5
IL	0	NA	9	8
KS	0	NA	24	5
LA	87	NA	81	83
MS	85	NA	83	66
MO	28	NA	26	20
NE	0	NA	8	7
NM	0	NA	7	3
OK	4	NA	9	7
SD	0	NA	4	7
TX	74	NA	70	69
ALL	28	NA	36	28

These 12 States produced 99% of the 1994 sorghum crop.

**CROP PROGRESS AND CONDITION**

**Week Ending September 24, 1995**

Cotton Percent Bolls Opening				
	Sep 24 1995	Prev Week	Prev Year	5-Yr Avg
AL	77	70	51	67
AZ	99	96	99	96
AR	90	76	64	66
CA	70	60	99	94
GA	80	77	66	71
LA	93	92	96	92
MS	97	94	94	89
MO	67	60	61	68
NM	63	62	83	67
NC	88	70	81	78
OK	9	8	72	43
SC	69	60	62	79
TN	92	75	97	82
TX	50	44	55	46
ALL	69	62	71	66

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

Cotton Percent Harvested				
	Sep 24 1995	Prev Week	Prev Year	5-Yr Avg
AL	15	NA	3	11
AZ	10	NA	7	12
AR	6	NA	7	6
CA	1	NA	0	1
GA	14	NA	2	10
LA	23	NA	20	20
MS	25	NA	12	12
MO	6	NA	11	9
NM	0	NA	0	0
NC	3	NA	0	4
OK	0	NA	5	2
SC	5	NA	4	8
TN	6	NA	10	8
TX	24	NA	27	22
ALL	16	NA	15	14

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

Rice Percent Harvested				
	Sep 24 1995	Prev Week	Prev Year	5-Yr Avg
AR	55	44	69	45
CA	3	1	18	14
LA	96	84	70	84
MS	85	76	65	45
TX	90	82	92	91
ALL	62	53	64	53

These 5 States produced 96% of the 1994 rice crop.

Spring Wheat Percent Harvested				
	Sep 24 1995	Prev Week	Prev Year	5-Yr Avg
ID	90	87	99	92
MN	99	98	98	98
MT	87	82	100	83
ND	93	88	94	91
SD	100	100	100	100
ALL	93	90	97	92

These 5 States produced 98% of the 1994 spring wheat crop.

Sorghum Crop Condition by Percent					
	VP	P	F	G	EX
AR	0	9	34	46	11
CO	4	10	37	42	7
IL	5	12	49	34	0
KS	2	10	32	52	4
LA	4	15	43	36	2
MS	5	8	34	48	5
MO	2	11	40	40	7
NE	4	17	54	25	0
NM	28	45	4	22	1
OK	0	11	23	66	0
SD	1	8	41	47	3
TX	5	19	35	38	3
ALL	4	14	36	43	3
Prev Wk	3	14	31	47	5
Prev Yr	0	6	36	51	7

Cotton Crop Condition by Percent					
	VP	P	F	G	EX
AL	9	33	46	6	6
AZ	2	27	33	25	13
AR	4	19	40	33	4
CA	0	0	15	85	0
GA	0	3	66	31	0
LA	2	29	48	21	0
MS	14	18	33	31	4
MO	5	13	33	47	2
NM	0	17	24	40	19
NC	3	11	50	31	5
OK	1	12	46	40	1
SC	0	1	44	55	0
TN	1	9	42	44	4
TX	4	20	46	27	3
ALL	4	17	42	34	3
Prev Wk	3	15	40	38	4
Prev Yr	1	7	32	54	6

Corn Crop Condition by Percent					
	VP	P	F	G	EX
CO	8	10	38	37	7
GA	0	6	42	52	0
IL	2	13	46	36	3
IN	3	12	51	31	3
IA	2	10	32	50	6
KS	0	6	37	53	4
KY	2	9	39	39	11
MI	1	6	24	49	20
MN	1	5	27	54	13
MO	2	14	43	38	3
NE	3	15	35	44	3
NC	0	3	11	64	22
OH	2	6	27	49	16
PA	6	17	40	32	5
SD	1	7	31	48	13
TX	0	2	22	74	2
WI	1	3	21	63	12
ALL	2	10	35	45	7
Prev Wk	2	9	34	46	9
Prev Yr	0	2	13	60	25

Soybeans Crop Condition by Percent					
	VP	P	F	G	EX
AL	4	30	48	16	2
AR	8	23	35	28	6
GA	0	5	58	35	2
IL	2	14	46	34	4
IN	4	11	49	32	4
IA	3	8	32	50	7
KS	0	12	44	42	2
KY	3	13	39	41	4
LA	17	30	34	18	1
MI	2	6	24	47	21
MN	1	5	27	54	13
MS	10	25	32	27	6
MO	6	18	42	32	2
NE	6	27	41	25	1
NC	2	11	41	43	3
OH	1	6	23	53	17
SC	0	4	20	76	0
SD	1	13	39	39	8
TN	1	14	34	44	7
ALL	3	13	37	40	7
Prev Wk	3	12	36	41	8
Prev Yr	0	2	20	61	17

VP - Very Poor  
P - Poor  
F - Fair  
G - Good  
EX - Excellent  
(Continued to p. 15)

## 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 0.65 to 5.69 in. north; 0.12 to 3.87 in. central; none to 0.61 in. south. Temperatures 7° below normal to normal statewide. Lows 47 to 54° north, 45 to 57° central; 50 to 58° south. Highs 78 to 89° north, 80 to 92° central; 90 to 94° south.

Days suitable for fieldwork 5.7. Topsoil 20% very short, 42% short, 32% adequate, 6% surplus. Corn harvested 84%, 66% 1994, 73% avg. Sorghum turning color 69%, 75% 1994, 79% avg.; harvested 39%, 30% 1994, 43% avg.; 1% very poor, 23% poor, 53% fair, 23% good. Peanuts dug 50%, 56% 1994, 54% avg.; combined 36%, 43% 1994, 43% avg.; 4% very poor, 12% poor, 77% fair, 7% good. Livestock 1% very poor, 7% poor, 42% fair, 48% good, 2% excellent. Activities: Harvesting row crops, vegetables. Spraying crops, defoliating cotton. General care of livestock, poultry, catfish.

**ALASKA:** Tanana Valley remained dry throughout the week, while remnants of a tropical storm brought heavy rains to the Kenai Peninsula and Matanuska Valley.

Days suitable for hay harvest 4.5, 6 days suitable for grain harvest and 5 days available for digging potatoes. Soil moisture supplies 10% short, 65% adequate, 25% surplus. Second crop hay harvest 55%, 45% 1994. Commercial potato harvest 80%, 95% 1994. Barley harvest over 95%, oat harvest 75% complete.

**ARIZONA:** Temperatures 1° below to 5° above normal. Extremes 34°; 92° higher elevations; 54°; 107° deserts. Precipitation light, widespread; 0.02 to 0.62 in.

Cotton harvest increasing; insect pressure still a concern. Alfalfa 2% very poor, 2% poor, 23% fair, 55% good, 18% excellent. Harvest 47% light, 7% moderate, 20% active, 26% between cuttings. Melons harvested central areas. Cantaloupe, honeydew, watermelon, green onions shipped. Tomatoes, cabbage, chili peppers were harvested from eastern fields. Citrus harvest beginning statewide. Grapefruit, lemons harvested central, western areas. Apples, pistachios harvested eastern areas.

**ARKANSAS:** Temperatures below normal with spotty rainfall in some parts of the State. Extremes 33°; 93°. Precipitation none to 1.37 in.

Days suitable for fieldwork 5. Soil moisture 48% short, 50% adequate, 2% surplus. Main farm activities: Defoliating, picking cotton, irrigating crops, harvesting corn, sorghum, rice, some early soybeans. Defoliating, picking of some early cotton were reported by numerous counties. Corn sorghum, rice harvests were ongoing statewide. Group IV soybeans were being harvested in many counties. Preparation for wheat, fall pasture planting continued across the State. Apple harvest proceeded in Johnson county. Little River county reported the harvesting of peanuts. Hay feeding was ongoing.

**CALIFORNIA:** Strong ridge high pressure kept temperatures well above normal. Southern coast was exception; low clouds, fog kept temperatures down. Precipitation remained confined to coast.

Field activities progressed normally. Fall harvest season approached. Cotton defoliation began, earlier maturing fields, southern San Joaquin Valley. Harvesting continued, desert areas. Aphids sprayed. Crop still late. Growers applied final irrigation, some areas. Rice fields drained; some harvesting, northern areas. Safflower harvest continued. Alfalfa hay harvested. Some on last cuttings; few fields sheeped off. Seed alfalfa harvest continued. Some sugar beet growers planted next year's crop; others harvested current year's crop. Worm problems reported. Corn, good condition; grain yields up, harvested fields. Late planted fields, final irrigation. Silage corn harvested. Dry beans harvested. Black eye bean harvest continued; good quality, good drying conditions. Fallow fields for 1996 crops, treated with pre-emergent herbicides. Ground preparation for small grain seeding continued. Table grape harvest continued, San Joaquin Valley. Good weather conditions. Raisins, all stages harvest: just laid, drying, rolled, binned. Nectarine, peach, prune, plum harvests virtually complete. Strawberries sprayed for aphids. Fig harvest continued, Fresno County. Quince packing began; pomegranate harvest concluded, Tulare County. Early walnut varieties harvested, some areas Sacramento, San Joaquin valleys. Late walnut varieties sprayed for

worms. Pistachio, almond harvests continued; almond harvest nearing completion. Golden Delicious, Red Delicious apple harvests continued, Sonoma County. Fuji, Granny Smith, Gala apple harvests continued, San Joaquin Valley. Olive harvest began, Fresno County. Lemon, grapefruit, Valencia orange harvests continued. New crop Navel oranges sized normally. Broccoli, cauliflower harvested, Monterey, San Luis Obispo counties. Carrot harvest continued, Kern County. Celery harvested, Monterey, Ventura, San Luis Obispo counties. Garlic harvest slowed, Kern County. Lettuce fields, Monterey, San Luis Obispo counties harvested. Melons picked, Sacramento, San Joaquin, desert valleys. Onions harvested, San Joaquin Valley. Onions, Siskiyou County, good despite slow start. Bell peppers, chili peppers harvested, desert areas, San Joaquin Valley. Sweet corn harvested, Sacramento, San Joaquin valleys, desert areas. Sweet potato harvest began, Merced County. Harvest fresh market tomatoes continued, Sacramento, San Joaquin valleys. Processing tomato harvest, full swing, San Joaquin, Sacramento valleys. Broccoli, lettuce, cabbage for fall harvest, planted, westside, Fresno County. Stanislaus, Tulare counties prepared ground, planting spinach, broccoli, Imperial Valley fall vegetable crops planted. Other crops harvested: Oriental vegetables, cherry tomatoes, eggplant, gourds, green beans, green onions, okra, radishes, peas, squash, spinach, tomatillos, turnips, zucchini. Lowland range grasses remained dry; fire hazard, many areas. Higher elevation rangeland feed, better condition. Supplemental feeding increased; more ranchers provided hay, nutritional supplements. Dry, mature forage, good supply, fewer areas. Water supplies adequate. Fall calving active. Cattle, sheep good condition.

**COLORADO:** Cold, wet conditions dominated after mid-week the eastern plains with 5.00 to 12.00 in. of snow falling in the northeast on the night of the 20th, during the day on the 21st. Temperatures dropped below the freezing mark early on the 22nd. Western part of the State had seasonal temperatures for the week with little or no precipitation.

Days suitable for fieldwork 4.6. Topsoil 6% very short 28% short, 62% adequate, 4% surplus. Subsoil 14% very short, 35% short 49% adequate 2% surplus. Spring wheat 73% harvested, 93% 1994, 78% avg. Winter wheat 23% emerged, 34% 1994, 32% avg. Spring barley 98% harvested, 98% 1994, 97% avg. Oats 80% harvested, 93% 1994, 93% avg. Corn 98% dough, 100% 1994, 97% avg.; 84% dent, 98% 1994, 89% avg.; 51% silage harvested, 88% 1994, 69% avg. Dry onions 74% harvested, 90% 1994, 77% avg. Sugar beets 2% very poor, 5% poor, 25% fair, 50% good, 18% excellent. Summer potatoes 82% harvested, 89% 1994, 80% avg. Fall potatoes 45% harvested, 68% 1994, 40% avg.; 12% poor, 23% fair, 52% good, 13% excellent. Dry beans 59% cut, 87% 1994, 76% avg.; 38% harvested, 79% 1994, 58% avg.; 3% very poor, 11% poor, 38% fair, 35% good, 13% excellent. Alfalfa 63% 3rd cutting, 74% 1994, 62% avg.; 9% 4th cutting, 16% 1994, 11% avg.; 1% very poor, 6% poor, 32% fair, 49% good, 12% excellent. Livestock mostly in good to excellent condition.

**DELAWARE:** Precipitation 2.26 in., normal 0.82 in. Temperature 68.4°, normal 68.3°. Extremes 55°; 79°. High temperatures in the upper 70s. Lows in the mid 50s to low 60s.

Days suitable for fieldwork 4.2. Topsoil 8% very short, 57% short, 35% adequate. Subsoil 40% very short, 43% short, 17% adequate. Corn 12% very poor, 33% poor, 44% fair, 10% good, 1% excellent; 95% mature, 67% 1994, 71% avg.; 52% harvested for grain, 13% 1994, 27% avg. Soybeans 20% very poor, 54% poor, 25% fair, 1% good; 58% turned, 31% 1994, 35% avg.; 38% shedding leaves, 15% 1994, 14% avg. Sorghum 27% very poor, 48% poor, 25% fair; 82% turning color, 66% 1994, 59% avg.; 62% mature, 19% 1994, 32% avg.; 11% harvested, 0% 1994, 4% avg. Other hay 12% 4th cutting, 7% 1994, 24% avg. Alfalfa hay 57% 4th cutting, 67% 1994, 66% avg. Apple 29% fair, 71% good; 55% harvested, 62% 1994, 52% avg. Hay supply mostly short to adequate. Field crop, vegetable harvest, haymaking.

**FLORIDA:** Temperature within 2° of normal north, 2 to 5° above normal central, south. Lows upper 50s north, upper 60s central, south. Highs mid 90s statewide. Rainfall 0.50 to 3.50 in.

Topsoil moisture short to adequate Panhandle, Peninsula adequate to surplus moisture. Haying delayed by rain in areas. Tobacco marketing

active. Peanut harvest delayed by rain. Farmers starting to pick cotton. Soybeans, sugarcane good growth. Growers starting to plant sugarcane. Armyworm, budworm, stinkbug problems in cotton. Due to drier weather, most southern producers getting vegetable plantings back on schedule. Low temperatures in 60s caused no significant damage to northern vegetables. Most water over vegetable fields southwest drained off. Strawberry transplanting to start this week around Plant City. Growers picked very small amount of tomatoes in Quincy area. Citrus very good condition, moisture adequate. Excessive moisture areas generally dried out, some low volume irrigation. Abundant new growth, new crop fruit progressing well. Harvest of red grapefruit, navels, Amber sweet oranges this week. Fresh fruit testing continues. Caretakers cutting cover crops, leveling roads, middles messed up by summer rains. Limited spraying, fertilizing. Cattle fair 25%, good 65%, excellent 10%.

**GEORGIA:** Cool week. Temperatures 3 to 5° below normal north, 2 to 5° below normal elsewhere except a little above normal along Florida border. Highs only upper 70s mountains with lower 90s central, south. Lows into upper 40s northern third, low to middle 50s elsewhere except around 60° along coast. Rain on 3 to 5 days north, 1 to 3 days central, south. Weekly totals of 1.00 to 3.00 in. common north with local amounts over 5.00 in. Most totals elsewhere under 0.50 in. with over 1.00 in. only isolated places.

Days suitable for fieldwork 5.7. Soil moisture 14% very short, 37% short, 45% adequate, 4% surplus. Weekend rains improved soil moisture, will slow harvest. Beneficial to soybeans, late peanuts, small grains and pastures. Peanut harvest in full swing until weekend. Cotton defoliation, picking becoming more active. Late hay harvest active, armyworms in some pastures. Hay 1% very poor, 13% poor, 49% fair, 37% good. Peanuts 20% poor, 66% fair, 13% good, 1% excellent; 86% dug, 65% 1994, 55% avg.; 50% threshed, 48% 1994, 39% avg. Rye 10% planted, 9% 1994, 8% avg. Sorghum 6% poor, 79% fair, 15% good; 47% harvested for grain, 60% 1994, 51% avg. Other small grains 4% planted, 6% 1994, 5% avg. Other vegetables 3% poor, 61% fair, 36% good. Apples 1% poor, 25% fair, 74% good; 60% harvested, 57% 1994, 64% avg. Pecans 8% poor, 86% fair, 6% good; 0% harvested, 2% 1994, 1% avg. Cattle 1% poor, 41% fair, 58% good. Hogs 3% poor, 42% fair, 54% good, 1% excellent.

**HAWAII:** Weather and crop data not available.

**IDAHO:** Temperatures 3° below normal to 4° above normal. Precipitation none to 0.06 in. north, none to 0.06 in. southwest, none south central, none to 0.20 in. southeast. Extremes 22°; 91°.

Days suitable for fieldwork 7.0. Topsoil 4% very short, 32% short, 64% adequate. Irrigation water supplies 8% fair, 60% good, 32% excellent. Alfalfa hay third cutting 63%, 79% 1994, 65% avg. Apples harvested 18%, 30% 1994, 28% avg. Corn harvested for silage 38%, 56% 1994, 47% avg. Dry beans harvested 44%, 83% 1994, 64% avg. Dry peas harvested 95%, 99% 1994, 97% avg. Hops harvested 93%, 91% 1994, 86% avg. Lentils harvested 70%, 99% 1994, 93% avg. Oats harvested 85%, 99% 1994, 92% avg. Onions harvested 42%, 76% 1994, 67% avg. Peaches harvested 93%, 99% 1994, 98% avg. Plums, prunes harvested 70%, 97% 1994, 97% avg. Potatoes turning 98%, 100% 1994, 99% avg. Potatoes vines dying/killed 94%, 97% 1994, 95% avg.; harvested 12%, 31% 1994, 27% avg.; 1% poor, 16% fair, 73% good, 10% excellent. Sugar beets harvested 6%, 10% 1994, 10% avg. Spring barley harvested 94%, 99% 1994, 94% avg. Activities: Monitoring potato fields for late blight, scheduling spraying operations, conducting early dig of sugar beets, harvesting small grains, onions, lentils, dry peas, dry beans, potatoes, fruit, cutting alfalfa, preparing ground for planting winter wheat, planting winter wheat, marketing lambs, calves.

**ILLINOIS:** Temperatures 9 to 14° below normal. Highs mid 50s to upper 60s. Lows were mostly in the 40s. Sub freezing temperatures in the mid to upper 20s brought a premature end to the growing season over much of the State. Precipitation for the week amounted to less than 0.25 in. in most cases. An inch or more was reported at a couple locations with a half to one inch at a few locations in the northern half of the State.

Days suitable for fieldwork 5.1. Topsoil 21% very short, 46% short, 32% adequate, 1% surplus. Hard freeze on 23rd over much of the State is expected to have done little damage to the corn crop, likely caused some yield, quality damage to the soybean crop. Stalk damage from the corn borer appears to be quite prevalent in the northern quarter of the State. Soybeans were more susceptible to freeze due to the lateness of a portion of the crop. Some of the soybeans still need at least two weeks to reach maturity. Most farm activities centered around harvest, readying combines, trucks, driers. Corn 95% dented, 99% 1994, 95% avg. Soybeans 80% turning yellow, 95% 1994, 87% avg. Alfalfa 95% third cutting, 96% 1994, 91% avg.

**INDIANA:** Unseasonably cold air enveloped the State during the week. Showers pushed through the State in the first part of the period with calm, clear conditions thereafter allowing for the coldest temperatures noted thus far this season. Temperatures low to upper 50s...some 6 to 12° below normal. Daytime highs varied from the around 60° to near 70° with mean lows between 40 to 50°. Extreme minimum temperatures reached into the upper 20s to near 30° through most rural locations in the State although far southern locations held closer to freezing. Mid 20s were common over west central areas of the State. Precipitation was again below normal through most of the State with amounts tending least through central locations. Rainfall 0.25 to 0.50 in. over most areas.

Days suitable for fieldwork 5.8. Topsoil 29% very short, 47% short, 24% adequate. Subsoil 21% very short, 54% short, 25% adequate. Soybeans 48% mature, 58% 1994, 40% avg. Corn, soybean harvest gaining momentum. Weekend heavy frost central, northern areas. Tobacco harvesting 82% complete, 83% 1994, 80% avg. Activities: Seeding winter wheat, harvesting seed corn, preparing harvesting equipment, cleaning grain bins, care of livestock.

**IOWA:** Temperature 11 to 13° below normal. Extremes 24°; 81°. Statewide freeze 22nd morning, another freeze east one-half 23rd morning. Moderate to heavy rain early week, light rain midweek, late weekend. Rain totals 0.53 in. southeast to 3.11 in. north central; state average 1.35 in. (normal 0.85 in.). Wettest week in 17 weeks.

Days suitable for field work 4.0. Topsoil very short 7%, short 28%, adequate 61%, surplus 4%. Subsoil very short 10%, short 34%, adequate 54%, surplus 2%. Killing frosts occurred 21st night 22nd morning, 22nd night 23rd morning ending growing season for many crops in State. Reporters from nearly all districts (including the southern districts) indicated they had received a killing frost. Comments stated that overall damage from the first frost is unknown, but several reporters did indicate that the growing season in their respective area is now over. Soybeans, late-planted corn were most susceptible to damage from an early frost. The frost on 21st night, 22nd morning damaged the top of the soybean canopy, most of the crop escaped any damage. Damage from the frost on 22nd night, 23rd morning is unknown. Soybeans leaves turning color 88%, 100% 1994, 85% avg. Alfalfa hay third cutting 89%, 99% 1994, 89% avg. Winter wheat planted 25%, 13% 1994, 17% avg. Livestock reported in good condition. Pinkeye, flies remain a problem for cattle. Some corn being harvested to provide cornstalks for cattle due to poor pasture conditions.

**KANSAS:** Temperatures 6° below normal in the southeast to 7° below normal over the northwest district. Rest of State 8° below normal. Precipitation over 2.00 in. northeast to nearly 0.75 in. southeast district.

Days suitable for fieldwork 3.5. Most areas are adequate in topsoil moisture, except the southwest. Southwest still 35% short to very short. Topsoil 5% very short, 17% short, 72% adequate, 6% surplus. Subsurface 5% very short, 27% short, 66% adequate, 2% surplus. Wheat seeding will resume when soil conditions dry. Farmers are waiting to assess the damage from the major freeze, snow damage which occurred during the week. Alfalfa cut the fourth time 56%, 78% 1994, 62% avg.

**KENTUCKY:** Some rain fell across State, ranging from a trace in southeast to over 2.50 in. in west. For the week rainfall averages were as much as 0.75 in. below normal in south to near 2.00 in. above normal over west. High temperatures mid 70s with lows between 50 to 55°. Temperatures near normal east, as much as 4 to 6° below normal over the west.

Days suitable fieldwork 4.2. Topsoil 12% very short, 39% short, 47% adequate, 2% surplus. Subsoil 25% very short, 48% short, 26% adequate, 1% surplus. Burley tobacco 90% cut, 90% 1994, 85% avg. Tobacco houseburn light. Condition of housed tobacco 4% poor, 34% fair, 53% good, 9% excellent. Dark tobacco 91% cut.

**LOUISIANA:** Temperatures 2° below to 3° above normal. Extremes 45°; 99°. Rainfall 0.63 in. southeast to 4.71 in. southwest.

Days suitable for fieldwork 5.3. Soil moisture 16% very short, 38% short, 42% adequate, 4% surplus. Corn 97% harvested, 99% 1994, 99% avg. Cotton: Some cotton fields sustained damage from locally heavy rains. Hay 84% second cutting, 83% 1994, 82% avg. Rice 100% ripe, 97% 1994, 96% avg. Rice harvest began winding down with yields decreasing as harvest progressed. Soybeans 77% coloring, 67% 1994, 65% avg. Soybean condition improved slightly, most fields continued to show the effects of the recent drought. Sugarcane 4% poor, 22% fair, 63% good, 11% excellent; 85% planted, 81% 1994, 65% avg. Sugarcane planting slowed as producers began to prepare for harvest. Sweet potatoes 10% poor, 38% fair, 48% good, 4% excellent; 42% harvested,

56% 1994, 50% avg. Sweet potato harvest gained momentum with the added moisture. Wheat 3% planted, 1% 1994, 1% avg. Vegetables 11% very poor, 31% poor, 40% fair, 18% good. Livestock 1% very poor, 8% poor, 38% fair, 49% good, 4% excellent. A few crawfish producers began flooding their ponds.

**MARYLAND:** Precipitation 1.90 in. normal 0.80 in. Temperature 67.7°, normal 67.5°. Extremes 43°; 87°. Low temperatures in the lower 40s to lower 60s. Highs were mainly in the upper 60s to upper 80s.

Days suitable for fieldwork 4.8. Topsoil 7% very short, 23% short, 70% adequate. Subsoil 27% very short, 56% short, 17% adequate. Corn 11% very poor, 19% poor, 37% fair, 31% good; 2% excellent; 90% mature, 68% 1994, 67% avg.; 53% harvested for grain, 18% 1994, 21% avg.; 84% silage harvested, 50% 1994, 62% avg. Soybeans 27% very poor, 31% poor, 25% fair, 15% good, 2% excellent; 80% turned, 49% 1994, 49% avg.; 55% shedding leaves, 20% 1994, 20% avg. Sorghum 35% very poor, 27% poor, 24% fair, 12% good, 2% excellent; 80% turning color, 76% 1994, 83% avg.; 62% mature, 16% 1994, 48% avg. Other hay 77% 3rd cutting, 83% 1994, 63% avg.; 45% 4th cutting, 40% 1994, 22% avg. Alfalfa hay 82% 4th cutting, 81% 1994, 63% avg. Lima beans 78% harvested, 69% 1994, 71% avg. Apples 1% very poor, 1% poor, 7% fair, 57% good, 34% excellent; 48% harvested, 53% 1994, 46% avg. Hay supplies short to mostly adequate. Activities: Harvesting of field crops, vegetables, haymaking.

**MICHIGAN:** Extremes 27°; 85°. Precipitation none to 1.33 in. across the State. Cool, moist conditions prevailed during 24th. Temperatures near to slightly below normal with moderate precipitation. Reports indicated some snow, hail in the northern areas.

Days suitable for fieldwork were 4.0. Harvest was slowed slightly due to some needed rain. Frost occurred across the State on 22nd, 23rd. Topsoil 9% very short, 28% short, 55% adequate, 8% surplus. Subsoil 18% very short, 41% short, 39% adequate, 2% surplus. Drybeans mature 100%, 70% 1994, 74% avg.; harvested 80%, 50% 1994, 39% avg.; 2% very poor, 3% poor, 20% fair, 55% good, 20% excellent. Soybeans turning leaves 100%, 80% 1994, 93% avg.; mature 45%, 20% 1994, 17% avg.; harvested 3%, 5% 1994, 3% avg. All hay, third cutting 90%, 75% 1994, 69% avg.; fourth cutting 27%, 20% 1994, NA avg.; 1% very poor, 4% poor, 20% fair, 55% good, 20% excellent. Potatoes harvested 80%, 70% 1994, 59% avg.

**MINNESOTA:** Temperatures 6.0 to 11.0° below normal for the State. Extremes 23°; 73°. Precipitation 0.42 to 0.66 in. above normal across the southern third of the State, while precipitation 0.19 to 0.48 in. below normal across the central, north. Precipitation 0.08 to 1.42 in. for State. Greatest weekly total was 2.06 in.

Days suitable for fieldwork 4.9. Topsoil 7% short, 85% adequate, 8% surplus. Corn mature 79%, 80% 1994, 42% avg.; harvested 5%, 3% 1994, 2% avg.; cut for silage 58%, 46% 1994, 32% avg. Soybeans shedding leaves 86%, 92% 1994, 67% avg.; mature 32%, 42% 1994, 28% avg.; harvested 4%, 9% 1994, 5% avg. Sweet corn harvested for processing 85%, 96% 1994, 87% avg. Dry edible beans harvested 47%, 61% 1994, 62% avg. Winter wheat seeded 72%, 91% 1994, 79% avg. Rye seeded 71%, 85% 1994, 78% avg. Potatoes harvested 34%, 40% 1994, 43% avg. Sunflowers harvested 13%, 4% 1994, 5% avg. Sugar beets harvested 7%, 11% 1994, 8% avg. Flaxseed 37%, 58% 1994, 57% avg. Stubble plowed 55%, 79% 1994, 58% avg. Sugar beets 2% very poor, 6% poor, 24% fair, 59% good, 9% excellent.

**MISSISSIPPI:** Temperatures 2° below normal for week. Extremes 37°; 96°. Soil temperatures 78°. Precipitation 1.05 in., 0.43 in. above normal. Rainfall throughout the State ranging from 3.27 in. in the southwest district to 0.07 in the upper delta district.

Days suitable for fieldwork 5.2. Soil moisture 26% very short, 36% short, 37% adequate, 1% surplus. Corn 100% mature, 100% 1994, 97% avg.; 91% harvested 72% 1994, 62% avg.; 100% silage harvested, 98% 1994, 95% avg.; 6% poor, 32% fair, 43% good, 19% excellent. Soybeans 85% turning color, 85% 1994, 61% avg.; 57% shedding leaves, 55% 1994, 34% avg.; 36% harvested, 22% 1994, 8% avg.; 10% very poor, 25% poor, 32% fair, 27% good, 6% excellent. Peanuts 38% harvested, 34% 1994, 50% avg.; 10% very poor, 10% poor, 10% fair, 40% good, 30% excellent. Pecans 14% very poor, 28% poor, 34% fair, 13% good, 11% excellent. Sweet potatoes 42% harvested, 59% 1994, 51% avg.; 10% poor, 80% fair, 10% good. Cattle rated 1% very poor, 8% poor, 38% fair, 46% good, and 7% excellent. Main farming activities: Harvesting row crops, peanuts sweet potatoes, field preparation for next year's crop. Rains that fell last week may help fill pods on later maturing varieties of soybeans. Rainfall should improve pasture land, prospects for winter grazing.

**MISSOURI:** Temperatures significantly below normal across the State, 14° below normal at Quincy-Hannibal, to 6° below normal at Caruthersville. Record cold temperatures were equaled or broken on 22nd, 23rd. Precipitation 0.69 in., ranging from 0.08 in. southeast to 1.29 in. northwest.

Days suitable for fieldwork 4.3. Topsoil 12% very short, 39% short, 48% adequate, 1% surplus. Shortages still exist across parts of the central, southern districts; however, recent rains have notably improved the situation over the past two weeks. Reporters across some areas of the State indicated varying degrees of frost and/or freeze occurrences, with reports most prevalent across the northern third of the State, as well as in the west-central, parts of the central districts. Reporters are concerned about damage to the late soybean, milo crops, effects on yield are still undetermined. The majority of State row crops are rated in mostly fair to good condition, with crop conditions declining in the northern districts following last week's cold weather. Eighty-nine percent of the corn crop has reached the dent stage or beyond, 12 days behind the 5-year average of 97% for this date. Development is least advanced in the northeast district which reports 73% dent stage, 26% mature, compared to the southeast district which reports 97% harvested. Forty-seven percent of the soybeans are turning color across the State, 9 days behind the 5-year average of 71% for this date. Five percent of the bean crop is mature, 10 days behind the 5-year average of 20% on this date. Sorghum coloring is complete in the south-central, southeast districts, followed by 93% in the northwestern district. Approximately 60% of the crop has turned color in the remaining districts. Mature sorghum is mostly limited to the southeastern, south-central districts which report 92% and 61% in that stage, respectively, followed by 31% in the northwestern district. Approximately 15% of the crop is mature throughout the remainder of the State. Sorghum harvesting is basically limited to the south-central, southeastern districts which report 27% and 60% harvested, respectively.

**MONTANA:** Cold snap at the beginning of week dropped temperatures into the teens in many locations. Precipitation was near to above normal, except in the northeast division.

Days suitable for fieldwork 4.2. Topsoil 9% very short, 29% short, 57% adequate, 5% surplus. Subsoil 11% very short, 31% short, 54% adequate, 4% surplus. Barley 80% harvested, 99% 1994, 85% avg. Oats 90% harvested, 100% 1994, 86% avg. Dry beans 74% harvested, 91% 1994, 67% avg. Corn for silage 41% harvested, 79% 1994, 59% avg. Sugar beet 4% harvested, 5% 1994, 5% avg. Potatoes 13% harvested, 22% 1994, 15% avg. Second cutting Alfalfa Hay 94%, 100% 1994, 93% avg. Cattle, calves moved from summer ranges, 16%. Sheep, lambs moved from summer ranges, 17%.

**NEBRASKA:** Temperatures 10 to 14° below normals across the State. Precipitation 0.10 in. southeast to nearly 5.00 in. northeast.

Days suitable for fieldwork 3.7. Topsoil 4% very short, 24% short, 66% adequate, 6% surplus. Subsoil 11% very short, 48% short, 41% adequate. Last week's freezing temperatures ended the growing season in most areas of State, damaged late maturing crops. The full extent of the crop damage from statewide freezing temperatures early 22nd morning was unknown, late maturing soybeans, sorghum fields appear hardest hit. Snow by mid-week halted field activities, increased field loss in the western two-thirds of the State, was welcome moisture for fall planted wheat. Snow brought delays to some producers in their efforts to complete fall seeding. Dry beans 85% dropped leaves, 99% 1994; 43% harvested, 90% 1994; the snow of last week is expected to reduce the quality of some unharvested beans

**NEVADA:** A upper level disturbance moved across the State early in the week bringing some shower activity across the northeast. Precipitation amounts were generally light, some small hail was reported. A high pressure began to build on the 18th bringing clear skies, by the 20th a cold front brought cooler temperatures to the silver State. Although temperatures were much cooler than the previous week, temperatures remained above normal for all divisions of the State. The only precipitation recorded in State 0.02 in. northeast. Temperature 6° above normal south central to 1° above normal northwest. Extremes 10° Wildhorse Reservoir; 107° Laughlin.

Days suitable for fieldwork 7. Planting of winter grains was about 50% completed, some winter wheat had sprouted in northern areas. Alfalfa sixth cutting was about 85% complete in the Extreme south, third cutting about 80% complete in the north. Alfalfa condition rated good in most areas; excellent in Pershing County. Cooler night, mornings are improving quality, new seeding development in the extreme south. Alfalfa seed harvest was 80% complete, mint, garlic harvest 100% complete, potato

harvest 20% complete. Harvest of other native hay was winding down. Range, pasture conditions continued to show seasonal decline. Some cattle were being moved from summer pastures. Main farm, ranch activities: Haying, grain, alfalfa planting, onion harvest, potato harvest, field preparation for planting, moving livestock.

**NEW ENGLAND:** Precipitation 0.44 to 2.07 in. north, 0.31 to 3.15 in. south. Precipitation period ends as early as 7:00am 24th at some States locations. Weekly totals include heavy rains received on 17th, which was not included in last weeks totals. Temperatures 49 to 56° north, 53 to 63° south. Maximum temperatures 67 to 76° north, 67 to 77° south. Minimum temperatures 24 to 38° north, 29 to 48° south.

Days suitable for fieldwork 6.0. Topsoil 15% very short, 44% short, 41% adequate. Subsoil 28% very short, 47% short, 25% adequate. Maine potatoes 25% harvested, 35% 1994, 40% avg.; condition good/excellent. Rhode Island potatoes 90% harvested, 60% 1994, 70% avg.; excellent/good. CT River Valley potatoes 60% harvested, 70% 1994, 65% avg.; good/fair. Maine oats 95% harvested, 90% 1994, 90% avg.; condition fair. Maine barley 95% harvested, condition fair/good. Field corn 45% harvested, 35% 1994, 30% avg.; condition good/fair. Sweet corn, 99% harvested, 99% 1994, 95% avg.; condition good/fair. Shade tobacco 100% harvested, 100% 1994, condition good. Outdoor tobacco 100% harvested, 100% 1994, condition good/fair. Second cut hay 95% harvested, 95% 1994, 95% avg.; condition fair/good. Third cut hay 75% harvested, 80% 1994, 65% avg.; condition good/fair. Apples 45% harvested, 50% 1994, 40% avg.; size avg./below avg., condition good. Peaches 99% harvested, 99% 1994, size avg., condition good. Pears 75% harvested, 95% 1994, size avg., condition good/fair. Cranberries 10% harvested, 20% 1994, set above avg., size below avg, condition excellent/good. Highbush blueberries 99% harvested, 100% 1994, size avg.; condition good. Major farm activities: Seeding cover crops of rye, wheat, farmers continue chopping field corn while still attempting to finish cutting hayfields for the 3rd time, Potato harvest in northern Maine progressed nicely this past week. A few growers waited for moisture to alleviate the incidence of bruising during harvesting. Cranberry growers received some rain which will be used in harvest, water supplies are still tight.

**NEW JERSEY:** Temperatures near normal. Extremes 32°; 82°. Rainfall 1.07 in. north, 0.95 in. central, 1.20 in. south. Heaviest 24 hour total was 1.95 in. on the 22nd to 23rd. Estimated soil moisture, in percent of field capacity, averaged 93% north, 93% central, 91% south.

Days suitable for fieldwork 6. Topsoil short to adequate. Good volume of eggplant, squash, peppers, green beans. Moderate supply of cucumbers, cabbage, lettuce, sweet corn, turnips, sweet potatoes, pumpkins, escarole, endive, parsley, spinach. Limited volume of herbs, beets, leeks, tomatoes, green onions, okra, watermelon, cantaloupe. Corn harvest for grain is increasing while corn cut for silage is nearing completion. Harvesting of single-crop soybeans is beginning in some areas of the State. Rain during the past week continues to benefit hay growth, pasture condition. Additional cuttings of hay are occurring when weather permits. General pasture condition is rated mostly from poor to fair. Limited volume of peaches are available with the condition of the supplies reported as good. Apple harvesting continues with the condition of the crop being rated as fair to good. A moderate volume of the apple crop is available.

**NEW MEXICO:** Cloudy, unusually cool conditions developed at mid-week as the seasons first strong cold front swept into eastern areas with colder air filtering west through the canyons into the central Rio Grande valleys. Freezing temperatures reached into the lower elevation districts as far south as Las Vegas, Moriarty. Northeast sections of the State were especially cool averaging 8 to 12° colder than normal for the week with readings 4 to 6° below average elsewhere across the east, central regions.

Days suitable for fieldwork 5.8. Soil moisture 11% very short, 41% short, 47% adequate, 1% surplus. Alfalfa 1% very poor, 3% poor, 32% fair, 60% good, 4% excellent. Corn 2% poor, 10% fair, 77% good, 11% excellent. Cotton 17% poor, 24% fair, 40% good, 19% excellent; 63% bolls opening, 83% 1994, 67% avg. Sorghum 28% very poor, 45% poor, 4% fair, 22% good 1% excellent; 58% coloring, 66% 1994, 76% avg.; 3% mature, 22% 1994, 24% avg.; 0% harvested, 0% 1994, 0% avg. Wheat 1% very poor, 65% poor, 26% fair, 7% good 1% excellent; 63% planted, 70% 1994, 80% avg.; 49% emerged; 48% acceptable stand. Chile 3% very poor, 17% poor, 31% fair, 35% good, 14% excellent. Pecans 3% very poor, 1% poor, 19% fair, 39% good, 38% excellent. Apples 10% very poor, 54% poor, 20% fair, 16% good. Cattle 3% very poor, 12% poor, 41% fair, 42% good, 2% excellent. Sheep 1% very poor, 5% poor, 48% fair, 44% good, 2% excellent.

**NEW YORK:** Temperatures below normal. Highs in 60s. Extremes 27°; 76°. Light precipitation on 20th, 21st, heavier on 22nd. Amounts ranged up to 2.24 in.

Days suitable for fieldwork 6.4. Soil moisture 17% very short, 42% short, 41% adequate. Corn mostly good. Silage harvest more widespread. Winter wheat seeding active. Rye seeding well underway, early fields emerging. Hay in fair to good condition. Alfalfa 3rd cutting 86% finished, 81% 1994, 72% avg. Oat harvest complete. Dry bean harvest at peak. Potato digging in high gear. Grape harvest in full swing. Quality excellent. Apple harvest gained momentum. Vegetable harvesting slowing. Onion harvest near completion, quality good but small in size. Frost ended growing season in many areas. Pumpkin harvest active.

**NORTH CAROLINA:** Rainfall 1.49 in. during 17th, 23rd, 0.73 in. above normal. Cape Hatteras reported a high of 5.66 in. rain during the past week. Temperature for State 70°, 1° above normal. High temperature of 83° was reported in Cape Hatteras, with a low temperature of 48° reported in Siler City.

Days suitable for fieldwork 5.4. Soil moisture 2% very short, 23% short, 70% adequate, 5% surplus. Flue-cured tobacco 94% harvested, 87% 1994, 87% avg. Burley tobacco 87% harvested, 76% 1994, 72% avg. Corn 76% cut for silage, 79% 1994, 83% avg. Corn 70% harvested for grain, 51% 1994, 54% avg. Sorghum 27% harvested, 40% 1994, 30% avg. Crop conditions: Apples 10% fair, 69% good, 21% excellent; peanuts 4% very poor, 15% poor, 52% fair, 25% good, 4% excellent; sorghum 1% poor, 39% fair, 57% good, 3% excellent; sweet potatoes 2% very poor, 3% poor, 40% fair, 54% good, 1% excellent; hay 2% poor, 33% fair, 56% good, 9% excellent; tobacco in fields 4% poor, 33% fair, 62% good, 1% excellent; hay, roughage supplies 1% very short, 6% short, 83% adequate, 10% surplus. Activities: Harvesting, marketing flue-cured, burley tobacco; harvesting vegetables; cutting silage; spraying cotton; cutting hay; harvesting row crops; planting small grains; discing tobacco stalks; tending livestock; repairing equipment, general farm maintenance.

**NORTH DAKOTA:** This week brought colder than normal temperatures, season's first snow fall and hard freezes. Temperatures 10 to 11° below normal statewide. Extremes 16° south central; 75° southwest. Precipitation 0.10 in. west central, southwest to 0.25 in. northeast, south central.

Days suitable for fieldwork 5. Topsoil 1% very short, 22% short, 74% adequate, 3% surplus. Subsoil 2% very short, 16% short, 77% adequate, 5% surplus. Small grain harvest was temporarily delayed by rain, snow showers. Progress near or ahead of average. Durum 81% combined; 91% 1994; 83% avg.; barley 99%; 99% 1994; 96% avg.; oats 94%; 100% 1994; 97% avg. First killing frost of the season ended row crop development in most areas. Flaxseed 48% harvested; 49% 1994; 57% avg.; sunflowers 73% bracts turned brown and beyond; 50% 1994; 53% avg.; potatoes 41% dug; 61% 1994; 58% avg.; sugar beets 8% lifted; 11% 1994; 9% avg.; corn for grain 68% ripe and beyond; 40% 1994; 36% avg.; dry edible beans 56% harvested; 42% 1994; 50% avg.; soybeans 33% harvested; 11% 1994; 15% avg. Crop condition: Flaxseed 8% poor, 28% fair, 55% good, 9% excellent.

**OHIO:** Unseasonably cold air enveloped the State during the week dropping temperatures near to somewhat below freezing through most of the State; however, low temperatures probably did not persist long enough for killing frost. Only the urban areas around Cleveland, Akron, Cincinnati avoided frost or freezing conditions. Temperatures low to upper 50s, 6 to 9° below normal. Daytime highs varied from the low 60s to near 70° with mean lows between 40 and 50°. Minimum temperatures fell into the upper 20s in rural areas of the State with lower 30s most common elsewhere. Precipitation was again below normal through most of the State with amounts decreasing southward. Totals ranged from 1/2 to 3/4 in. far north with an isolated 1.27 in. at Fremont. Accumulations subsided to between 0.25 to 0.50 in. through most central locations with 0.25 in. or less most common in the south.

Days suitable for fieldwork 4.6. Topsoil 10% very short, 42% short, 47% adequate, 1% surplus. Alfalfa hay third cutting 91% complete. Other hay third cutting 70% complete. Hay condition 1% very poor, 8% poor, 42% fair, 40% good, 9% excellent. Corn, soybeans are maturing rapidly. Rain improved pasture condition in some areas, more moisture is still needed to revive pastures in many others. Pressing of apples for cider has started.

**OKLAHOMA:** Precipitation 0.55 in. northeast district to 2.46 in. west central district.

Days suitable for fieldwork 2.8. Topsoil 1% very short, 14% short, 67% adequate, 18% surplus. Subsoil 2% very short, 20% short, 67% adequate, 11% surplus. Wheat 87% seedbed prepared, 93% 1994, 95% avg.; 3% up-to-stand, 6% 1994, 10% avg.; oats 76% seedbed prepared, 79% 1994,

85% avg.; 9% planted, 8% 1994, 16% avg. Barley 76% seedbed prepared, 72% 1994, 72% avg.; 15% planted, 34% 1994, 22% avg. Corn 79% mature, 87% 1994, 95% avg.; 44% harvested, 71% 1994, 70% avg. Soybeans 92% setting pods, 100% 1994, 93% avg.; 32% mature, 66% 1994, 37% avg.; 12% harvested, 29% 1994, 11% avg. Peanuts 12% poor, 31% fair, 55% good, 2% excellent; 22% mature, 43% 1994, 45% avg.; 1% dug, 8% 1994, 3% avg. Alfalfa 5% poor, 35% fair, 58% good, 2% excellent; 79% 4th cutting, 94% 1994, 87% avg.; 14% 5th cutting, 40% 1994, 25% avg. Livestock 2% poor, 22% fair, 72% good, 4% excellent. Feeder steers, heifers firm to \$1.00/cwt higher.

**OREGON:** Temperatures above normal, statewide. Coast 3 to 9° above normal, western interior 6 to 11° above normal, east 0 to 7° above normal. Precipitation Astoria 0.01 in., elsewhere dry.

Days suitable for fieldwork 7.0. Topsoil 12% very short, 44% short, 44% adequate. Subsoil 12% very short, 45% short, 43% adequate. All barley harvested 93%, planted 1%. Winter wheat emerged 7%. Eastern sections alfalfa cuttings continued, small grain harvest winding down. Mid-Columbia, Pendleton: winter wheat seeding continued. Klamath Basin: potatoes 50% knocked down, 5% harvested. Central section: potato harvest 10% complete. Willamette Valley: field preparation, fertilizing, liming small grain, grass seed fields continued, hops harvest completed, fresh vegetables harvest proceeding, sweet corn moved toward last planting rotation, onions drying, fertilizing, cover crop planting caneberry rows, prune harvest winding down, apple harvest continued, hazelnuts dropping fast, continuing nursery maintenance activities, nursery planting underway, irrigated nursery crops. Southern coast: harvest underway. Livestock good-excellent. Pastures, rangeland very dry, high fire danger, statewide. Feeder sales, fall movement underway. Supplemental feeding increased, Willamette Valley.

**PENNSYLVANIA:** Temperature 56°. Extremes 27°; 82°. Precipitation 0.76 in.

Days suitable for fieldwork 5.4. Soil moisture 54% very short, 39% short, 7% adequate. Ensilage corn 69% harvested, 32% 1994, 34% avg. Soybean 10% very poor, 25% poor, 44% fair, 19% good, 2% excellent. Wheat planted 10% complete, 39% 1994, 31% avg. Barley planted 19% complete, 41% 1994, 37% avg. Potato harvest 44% complete, 60% 1994, 60% avg. Alfalfa 3rd cutting 75% complete, 89% 1994, 80% avg. Alfalfa 4th cutting 28% complete, 58% 1994, 43% avg. Timothy clover 2nd cutting 88% complete, 95% 1994, 94% avg. Quality of hay made 10% very poor, 15% poor, 28% fair, 31% good, 16% excellent. Apples 40% harvested, 47% 1994, 44% avg. Peaches 97% harvested, N/A 1994, 97% avg. Grapes 46% harvested, 38% 1994, 50% avg. Fall plowing 36% complete, 59% 1994, 54% avg. Activities: Harvesting corn grain, corn silage, potatoes; making hay; cutting haylage; planting barley, wheat; plowing; filling silos; fixing fences; machinery maintenance; hauling manure; caring for livestock.

**PUERTO RICO:** No weather data available.

**SOUTH CAROLINA:** Temperatures 1 to 2° below normal with a maximum of 92°, minimum of 43°. Rainfall 1.20 in.

Days suitable for fieldwork 5.40. Soil moisture 8% short, 73% adequate, 19% surplus. Cotton harvest gearing up, weather situation hampering progress. Corn harvest coming to a close, yields better than previously expected; 89% harvested, 81% 1994, 82% avg.; 55% fair, 37% good, 8% excellent. Sorghum 41% harvested, 37% 1994, 43% avg.; 1% poor, 29% fair, 70% good. Peanuts almost all dug, very few harvested, cool moist weather hampering drying; 24% harvested, 27% 1994, 19% avg.; 40% fair, 60% good. Sweet potatoes 15% harvested, 17% 1994, 30% avg.; 32% fair, 68% good. Tobacco virtually all harvested, placed in curing sheds; 99% harvested, 99% 1994, 96% avg.; 74% stalks destroyed running behind average due to other crop precedents; 77% 1994, 61% avg.; 27% fair, 73% good. Apples 64% harvested, 65% 1994, 70% avg.; 8% fair, 82% good, 10% excellent. Pecan 18% poor, 41% fair, 41% good. Grape 17% poor, 66% fair, 17% good. Livestock 2% very poor, 2% poor, 27% fair, and 69% good. Small grain planting active, moisture brought relief to winter grazing crops.

**SOUTH DAKOTA:** Temperatures were generally 8 to 14° below normal. Extremes 10°; 81°. Southern one-third of the State received 0.75 to 1.75 in. precipitation mostly in the form of rain; however, the Black Hills received as much as 6.00 in. of snow while the southwest plains received as much as 3.00 in. snow. Northern two-thirds of the State generally

received less than 0.20 in. precipitation. Heaviest precipitation 1.73 in. Oelrichs.

Days suitable for fieldwork 5.0. Topsoil 5% very short, 22% short, 64% adequate, 9% surplus. Subsoil 5% very short, 23% short, 61% adequate, 11% surplus. Flax 92% swathed, 100% 1994, 93% avg.; 83% harvested, 100% 1994, 91% avg. Corn 94% dent, 99% 1994, 85% avg.; 34% silage harvested, 64% 1994, 42% avg. Soybeans 27% mature, 60% 1994, 45% avg. Sorghum 15% silage harvested, 43% 1994, 44% avg. Sunflowers 98% ray flowers dry, 100% 1994, 96% avg.; 81% bracts yellow, 99% 1994, 86% avg.; 33% mature, 75% 1994, 51% avg.; 1% harvested, 7% 1994, 7% avg. Sunflower 3% poor, 27% fair, 52% good, 18% excellent. Winter rye 90% seeded, 87% 1994, 75% avg.; 41% emerged, 56% 1994, 44% avg. Winter wheat 27% emerged, 42% 1994, 42% avg. Killing freeze brought growing season to an end damaging immature row crops. It will be one to two weeks before exact damage is known, yields, grain quality were undoubtedly hurt in most areas. Soybeans, sorghum were hardest hit by the early freeze. Livestock 9% fair, 79% good, 12% excellent. Stock water supplies 4% short, 77% adequate, 19% surplus. Feed supplies 2% short, 79% adequate, 19% surplus.

**TENNESSEE:** Temperatures were below normal in State. Temperatures 7° below normal in the West, 6° below normal in the Middle, East, 10° below normal over the Cumberland Plateau. Extremes 44°; 88°.

Days suitable for fieldwork 5.0. Topsoil 3% very short, 27% short, 63% adequate, 7% surplus. Subsoil 5% very short, 33% short, 57% adequate, 5% surplus. Corn 73%, grain harvested, 38%, 1994, 33%, avg.; 92% cotton open bolls, 97%, 1994, 82% avg. 6% Harvested, 10% 1994, 8% avg. Sorghum 96% mature, 94% 1994, 83% avg.; 60% harvested, 52%, 1994, 36% avg. Tobacco 87% burley harvested, 89% 1994, 86% avg. 93%, air-cured harvested, 93% 1994, 86% avg.; 94%, dark-fired harvested, 94% 1994, 85% avg. Soybeans 1% very poor, 14% poor, 34% fair, 44% good, 7% excellent; 43% dropping leaves; 28% 1994, 27% avg. 11% mature; 17% 1994, 12% avg.; 1% harvested; 2% 1994, 1% avg.; 7% winter wheat planted; 5% 1994, 5% avg.

**TEXAS:** The last week of summer felt like late fall as very strong cold front moved across State. Front had cleared State by 22nd, many locations setting record lows with some light snow reported Panhandle. Temperatures below normal, 4° below normal in south central area to 16° below normal high plains. Rainfall near to above normal in all districts although heavier rains in advance of cold front in east, south, coastal areas pushed weekly averages well above normal. Weekly averages were above 3.00 in. along Coastal Bend which was more than 2.00 in. above normal. Some of the larger individual station totals for the week were 5.09 in. at College Station, 7.35 in. at Hebbronville.

**Crops:** Small Grains- Producers glad cool temperatures. Planting delayed slightly showers. early planted crop good in Cross Timbers, Low Plains. Beet Armyworm damage still reported. 16% emerged, 18% 1994, 16% avg. Corn lodging reported due to strong winds, corn borer damage Plains. recent cold weather slowed maturing process. 97% dent, 100% 1994, 99% avg. Cotton remaining cotton crop in the south central, Coastal Bend was defoliated, harvested although not fully mature. Cold weather was affecting maturity the Plains. 98% setting bolls, 100% 1994, 100% avg. Grain sorghum cold weather was affecting maturity the Plains. Rice harvest nearing completion in Upper Coast. Peanuts harvest slowed by scattered rains. Southern Blight still causing problems across State. 9% harvested, 8% 1994, 12% avg. Statewide condition 80% normal, 83% 1994. Soybeans harvest slowed by rains. Good yields reported in Upper Coast. Sunflowers 25% harvested, 25% 1994, 25% avg. Oats 18% planted, 19% 1994, 19% avg.

**Commercial Vegetables:** Rio Grande Valley, scattered showers helped citrus development, cooler weather had little adverse affect. In the San Antonio- Winter Garden, whitefly infestations still causing problems. Turnip planting progressed well. In East Texas, mustard, turnip planting continued. sweet potatoes were found smaller than normal when harvested. In High Plains, if cool, wet weather continues, pumpkins may be adversely affected. Watermelon harvest slowed due wet fields. Pecans- Harvest continued in Cross Timbers, Blacklands, and Upper Coast, and has gotten underway in Edwards Plateau, South Central, Coastal Bend. Good crop prospects reported across majority of State.

**Range and Livestock:** Pastures improving across State due to recent rain. Wintergrasses starting to germinate in Low Plains. Some pink eye, foot rot reported in Low Plains. Fall calving began in Blacklands. Shearing of Angoras winding down in Edwards Plateau. Some reports of flushing of goats in Edwards Plateau.

**UTAH:** Temperature maximums 1° above normal; minimums normal. Precipitation throughout the State light with Dixie division receiving no measurable precipitation.

Days suitable for fieldwork 6.9. Topsoil 8% very short, 31% short, 59% adequate, 2% surplus. Subsoil 9% very short, 27% short, 62% adequate, 2% surplus. Winter wheat seeded 55%, 49% 1994, 62% avg.; emerged 27%, 10% 1994. Corn dough stage 73%; dent stage 39%, 79% 1994, 67% avg.; mature 7%, 81% 1994, 59% avg.; harvested for silage 5%, 52% 1994, 48% avg. Alfalfa hay 3rd cutting 86%, 91% 1994, 84% avg.; 4th cutting 15%, 32% 1994, 32% avg.; seed harvest 23%, 68% 1994, 71% avg. Pears harvested 90% picked. Onions harvested 33%, 56% 1994, 60% avg. Potatoes harvested 5%, 48% 1994, 42% avg. Dry beans harvested 52%. Cattle moved from summer range 20%, 47% 1994, 35% avg. Sheep moved from summer range 19%, 40% 1994, 34% avg. Major farm, ranch activities were harvesting pears, vegetables, haying, corn silage, moving cattle, sheep.

**VIRGINIA:** Temperatures above normal. Extremes 41°; 88°. Precipitation between 0.20 to 1.82 in. across the region.

Days suitable for fieldwork 5.7. Topsoil 14% very short, 54% short, 32% adequate. Subsoil 33% very short, 52% short, 15% adequate. Fall apples harvested 27%, 33% 1994, 39% avg. Winter apples harvested 0%, 20% 1994, 4% avg. Corn dent stage 98%, 98% 1994, 97% avg.; mature 85%, 83% 1994, 86% avg.; harvested grain 50%, 46% 1994, 40% avg.; harvested for silage 79%, 63% 1994, 63% avg. Soybeans 11% very poor, 33% poor, 40% fair, 16% good.; setting pods 100%, 100% 1994, 100% avg. Peanuts dug 30%, 14% 1994, 12% avg.; combined 15%, 7% 1994, 5% avg.; 21% poor, 59% fair, 20% good. Cotton 19% poor, 66% fair, 15% good. Flue tobacco harvested 89%, 80% 1994, 81% avg. Burley harvested 85%, 81% 1994, 77% avg. Dark fire harvested 95%, 97% 1994, 95% avg. Sun tobacco harvested 92%, 89% 1994, 92% avg. Barley seeded 5%, 18% 1994, 11% avg. Oats seeded 10%, 24% 1994, 15% avg. Winter wheat seeded 5%, 10% 1994, 5% avg. Livestock 1% very poor, 7% poor, 41% fair, 50% good, 1% excellent. Regional showers fell during the week, weekend. Pasture, most crop conditions improved somewhat with the much needed rainfall.

**WASHINGTON:** Temperatures 2° below to 5° above normal west; 5° below to 4° above normal east. Precipitation none to 0.01 in. west; none in. east. Warm days, cool nights prevailed across the State.

Days suitable for fieldwork 7.0. Topsoil 35% short, 65% adequate; subsoil 19% short, 81% adequate. Irrigation water supply 100% adequate. Some field crops reseeding due to soil crusting. Daffodil, tulip harvests complete. Alfalfa seed, beet seed, hops, mint were harvested. Cranberry harvest to start next week. Warm day temperatures caused quality problems with apples, delayed Red Delicious harvest. Blueberries, wine grapes, Concord grapes, Red Delicious apples, Golden Delicious apples, pears, peaches, nectarines, lima beans, garden beans, cauliflower, broccoli, cucumbers, carrots, sweet corn, onions were harvested. Timothy hay on third cutting. Cooler night temperatures, warmer day temperatures increased chance of pneumonia, other respiratory problems for calves, lambs. Sheep breeding season continued. Calves being weaned, taken off of ranges. Winter wheat, dryland 10% poor, 27% fair, 58% good, 5% excellent; irrigated, 97% good, 3% excellent. Potatoes, 17% fair, 69% good, 14% excellent. Corn, 99% good, 1% excellent. Dry edible beans, 100% good. Hay, other roughage supplies 1% short, 93% adequate, 6% surplus. Winter wheat, 60% planted, 45% 1994, 58% avg.; 33% emerged, 30% 1994, 37% avg. Spring wheat, 100% harvested, 100% 1994, 99% avg. Barley, 100% harvested, 100% 1994, 99% avg. Alfalfa, 3rd cutting, 96% harvested, 94% 1994, 90% avg. Dry peas, 100% harvested, 100% 1994, 99% avg. Potatoes, 28% harvested, 43% 1994, 41% avg. Dry edible beans, 45% harvested, 65% 1994, 52% avg.

**WEST VIRGINIA:** Temperature 59°. Extremes 32°; 84°. Temperatures 1° below normal in the northeastern region to 7° below normal in the northwest, north central regions. The greatest weekly total precipitation was 1.40 in. reported at Flat Top. State average was 0.72 in.

Days suitable for fieldwork 4.0. Topsoil 3% very short, 50% short, 47% adequate. Wheat 4% planted. Hay second cutting 93%, 85% 1994, 88% avg.; third cutting 62%, 75% 1994, 75% avg. Corn 5% very poor, 8% poor, 23% fair, 53% good, 11% excellent; 98% dough, 93% 1994, 95% avg.; 84% dent; 71% mature, 60% 1994, 71% avg.; 20% harvested, 20% 1994, 18% avg. Soybeans 6% very poor, 8% poor, 18% fair, 62% good, 6% excellent; 81% dropping leaves, 40% 1994; 1% harvested. Tobacco 81% harvested, 72% 1994, 78% avg. Apples 15% poor, 25% fair, 60% good. Cattle 4% poor, 24% fair, 70% good, 2% excellent. Sheep 3% poor, 40% fair, 54% good, 3% excellent. Activities: Cutting hay, clipping pastures, marketing cattle, harvesting apples, corn silage, tobacco, equipment maintenance.

**WISCONSIN:** Temperature 47°, 8 below normal. Extremes 23°; 74°. Precipitation 0.20 to 1.60 in.

Days suitable for fieldwork 4.3. Soil moisture 20% short, 73% adequate, 7% surplus. General condition of crops 3% poor, 20% fair, 68% good, 9% excellent. Corn silage harvested 60%, 28% 1994, 20% avg. Third cutting hay harvest 85%, 74% 1994, 67% avg. Soybean 4% poor, 17% fair, 65% good, 14% excellent; leaves turning 90%, 83% 1994, 73% avg.; leaves shedding 47%, 46% 1994, 36% avg. Fall tillage 10%, 6% 1994, 6% avg. Corn progress continued to stay far ahead of the average, last year's progress. The earlier than average maturing corn should allow farmers to harvest sooner, hopefully avoid excessive corn borer damage. Widespread corn borer, earworm damage caused ears to fall from the stalk, stalk lodging. Many farmers harvested high moisture corn. Over one-fourth of the corn for silage was harvested the past week. Soybeans maturity advanced greatly over the past week. Some farmers harvested beans this past week, reported very good yields. Third crop alfalfa harvest approached completion with good quality, quantity reported. Winter wheat planting continued with some early planted wheat emerging. Cranberry harvest began with reports of very good yields. A big apple crop was reported with good color, flavor.

**WYOMING:** Temperatures 1 to 10° below normal across most of the State. Extremes 11° Fossil Butte; 88° Newcastle. Precipitation 0.30 to 1.60 in. above normal. Exception was a few scattered areas in the southwest which about 0.10 in. below normal. Dull Center received the greatest amount of precipitation at 1.87 in.

Days suitable for fieldwork 3.5. Topsoil 81% adequate. Subsoil moisture 80% adequate. Winter wheat planted for harvest 1996 86%, 92% 1994, 82% avg.; 57% emerged, 67% 1994, 45% avg. Spring wheat 98% harvested, 100% 1994, 96% avg. Oats 95% harvested, 100% 1994, 94% avg. Dry beans 67% combined, 69% 1994, 57% avg. Potatoes 30% harvested, 45% 1994, 47% avg. Sugar beets 9% harvested, 6% 1994, 7% avg. Corn 45% mature, 76% 1994, 36% avg.; 3% harvested, 12% 1994, 7% avg. Corn harvested for silage 53% complete, 84% 1994, 67% avg. Alfalfa 3rd cutting 42% complete, 85% 1994, 53% avg. Livestock moved from summer pastures cattle 22%, sheep 36%. Stock water supplies 99% adequate or better. Freeze damage to some row crops.

(Continued from p. 9)

Winter Wheat Percent Planted				
	Sep 24 1995	Prev Wk	Prev Yr	5-Yr Avg
AR	1	0	7	3
CA	0	0	0	0
CO	51	25	73	67
GA	2	2	0	2
ID	34	17	27	29
IL	1	0	3	3
IN	5	1	9	7
KS	12	6	49	35
MI	13	8	24	22
MO	5	3	9	7
MT	29	6	14	33
NE	59	39	78	69
NC	6	2	9	8
OH	4	3	6	4
OK	18	13	51	38
OR	21	6	10	27
SD	74	52	76	77
TX	35	24	39	38
WA	60	50	45	58
ALL	25	16	42	37

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

# International Weather and Crop Summary

September 17 - 23, 1995

## HIGHLIGHTS

**FSU-WESTERN:** Although periodic showers slowed summer crop harvesting, the moisture benefited winter grain emergence and establishment.

**FSU-NEW LANDS:** Several days of dry weather favored spring grain harvesting.

**EUROPE:** Rain delayed early corn harvesting in southern France and Italy.

**AUSTRALIA:** Showers were scattered throughout eastern winter grain areas, but a drying trend in the west reduced moisture for reproductive winter grains.

**EASTERN ASIA:** Mostly dry weather continued to aid maturing crops across China. Typhoon Ryan brushed Taiwan and then hit southern Japan, bringing widespread rain and possible flooding.

**SOUTH ASIA:** The retreating monsoon brought heavy showers, with local flooding, to rice areas of eastern India and Bangladesh.

**SOUTHEAST ASIA:** Heavy rain likely caused flooding in southern Thailand, and showers benefited corn and rice across the northern Philippines.

**SOUTH AMERICA:** In Argentina, freezing weather across the wheat belt burned back vegetative wheat and possibly damaged early reproductive wheat.

**MEXICO:** Rain continued to bring drought relief across northern Mexico as variable rain favored late-filling corn across the main corn belt.

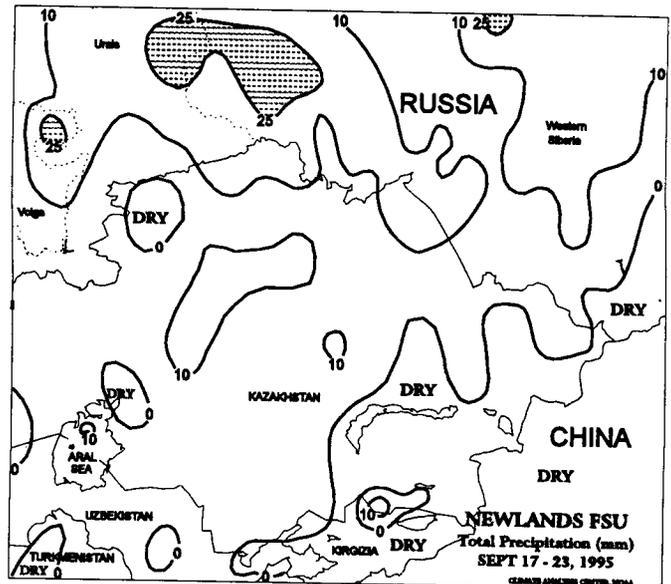
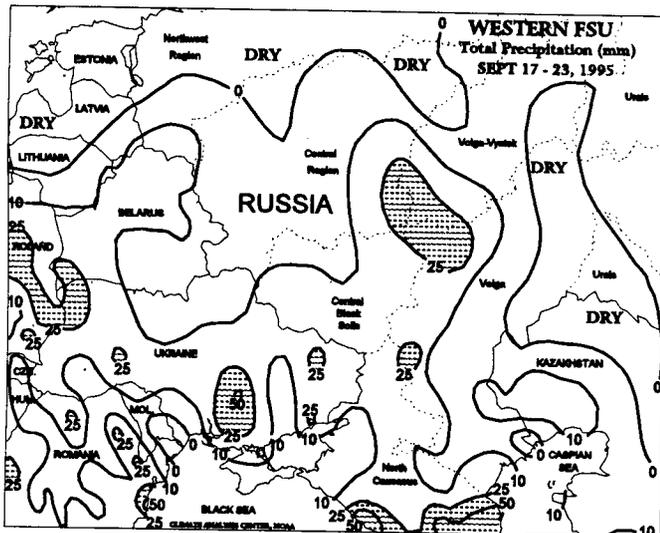
**CANADA:** A hard freeze covered the Prairies, likely damaging some unharvested canola.

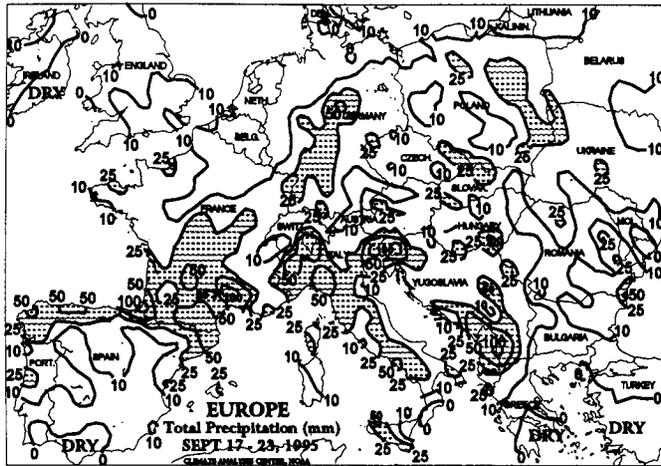
### FSU-WESTERN

In Russia, periodic showers caused only brief delays in summer crop harvesting and moistened topsoils for winter grain emergence and establishment. The greatest amount of rain (10-25 mm, with local amounts in excess of 25 mm) fell in a band that stretched from North Caucasus, northward through the Central Black Soils Region, western Volga Valley, and the southern portion of the Volga Vyatsk region. Reports indicated that as of September 23, sugar beet harvesting in Russia had advanced to 29 percent completion, while the harvests of sunflowers and potatoes were 21 and 79 percent complete, respectively. Subfreezing temperatures (-1 to -4 degrees Celsius (C)) covered northern Russia early in the week, ending the growing season and prompting cold hardening in winter grains. In Ukraine, widespread showers (10-25 mm, with local amounts in excess of 25 mm) slowed corn, sunflower, and sugar beet harvests and maintained favorable moisture for emerging winter grains.

### FSU-NEW LANDS

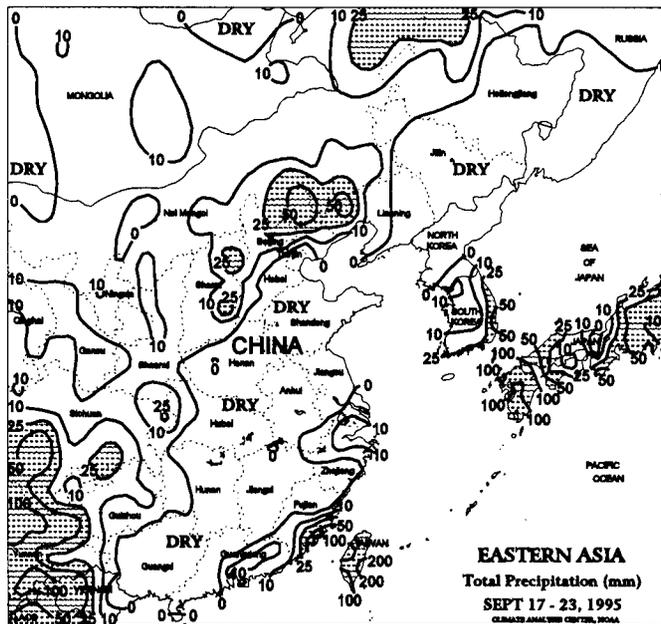
In Russia, dry weather early in the week favored spring grain harvesting in the Urals, Western Siberia, and Eastern Siberia. However, showers developed over the Urals and the western portion of Western Siberia at week's end, interrupting the harvest. Reports as of September 23 indicated harvesting of grains and pulses, excluding corn, was 80 percent complete. Most of the remaining grain area to be harvested was in Siberia. In Kazakhstan, several days of dry weather helped spring grain harvesting. Weekly temperatures averaged 2 to 5 degrees C below normal over the region, with subfreezing temperatures (-2 to -7 degrees C) occurring over most areas. In cotton areas of Central Asia, warm, dry weather during most of the week favored harvesting. Reports as of September 22 indicated the cotton harvest in Uzbekistan was about 41 percent complete, compared with 25 percent completion by the same time last year.





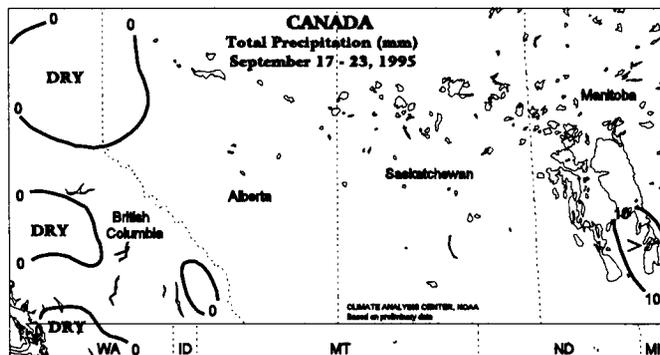
**EUROPE**

Wet weather (25-50 mm, with local amounts in excess of 70 mm) covered southern France and Italy, delaying corn maturation and early harvesting. Early-week showers over England, northern France, the Benelux countries, and northern Germany were followed by several days of dry weather, allowing a resumption in winter grain and oilseed planting. Frequent showers (10-38 mm) over central and southern Germany disrupted winter grain planting but favored emerging oilseeds. Widespread showers (around 10 mm) from September 21 to 22 over eastern Europe caused only brief delays in summer crop harvesting and maintained adequate topsoil moisture for winter grain emergence and establishment. Weekly temperatures averaged near normal over northern Europe, and 1 to 3 degrees C below normal over central, southern, and eastern areas.



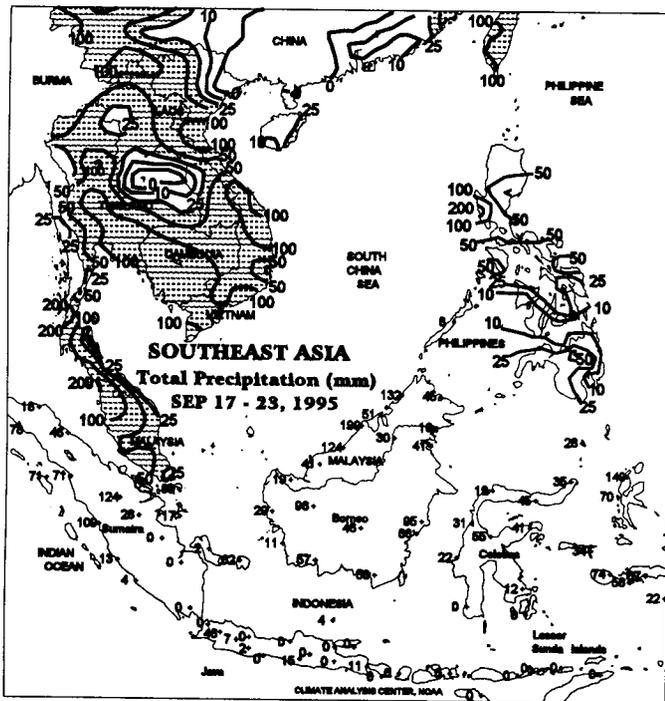
**EASTERN ASIA**

Mostly dry weather (less than 10 mm) continued across the major crop areas of China, aiding the maturation and harvesting of summer crops and winter crop planting. Significant rain (20-80 mm) fell across the southwestern crop areas (Sichuan and Yunnan) and portions of the northern crop areas (northern Shanxi eastward to western Liaoning). Temperatures averaged 1 to 4 degrees C above normal across central and northeastern China and 1 to 3 degrees C below normal across the south. Typhoon Ryan brushed southern Taiwan on September 22, producing heavy rains (50-200 mm) and strong winds (in excess of 65 knots (75 mph)) across the island. Ryan then hit southern Japan (Kyushu Island) on September 24, with sustained winds of 90 to 100 knots (104-115 mph), possibly damaging maturing rice. The storm brought heavy rain (60-130 mm) only to Kyushu Island, which typically accounts for 10 to 15 percent of Japan's total rice production. Heavy rain (50-125 mm) fell earlier in the week across east-central Japan, possibly reducing rice quality. Mostly dry weather favored maturing crops across North Korea and western South Korea. Southern South Korea received light to moderate rain (10-25 mm).



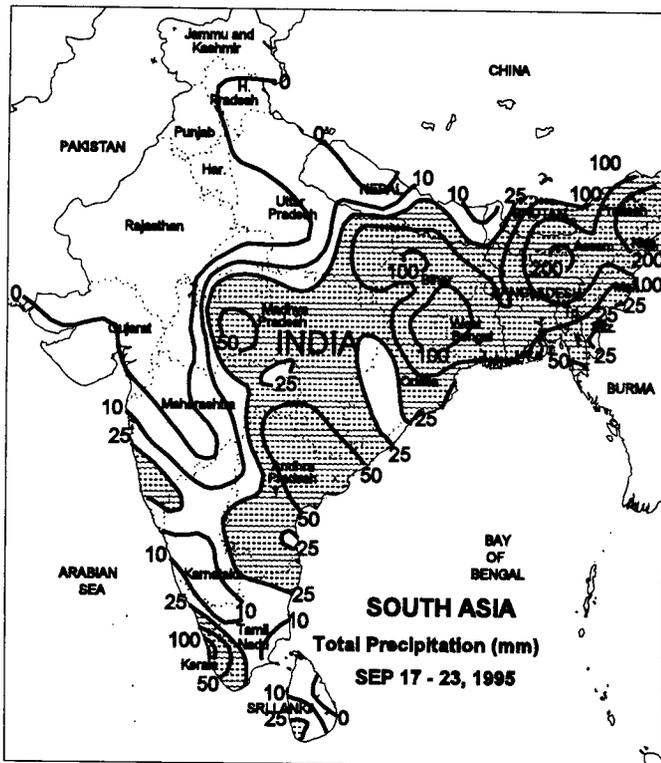
**CANADA**

Unseasonably cold weather (temperatures averaging 4-6 degrees below normal) plunged into the Prairies, resulting in a widespread hard freeze (lows reaching -2 to -9 degrees C) at all locations. Some damage was likely to unharvested canola. Light precipitation (10 mm or less) caused only minor fieldwork delays. Farther east, moderate to heavy showers (10-43 mm) swept across crop areas of Ontario and southern Quebec, coming too late for summer crops but improving winter wheat planting prospects. Temperatures were 2 to 4 degrees C below normal, and some scattered frost was likely in northern crop areas.



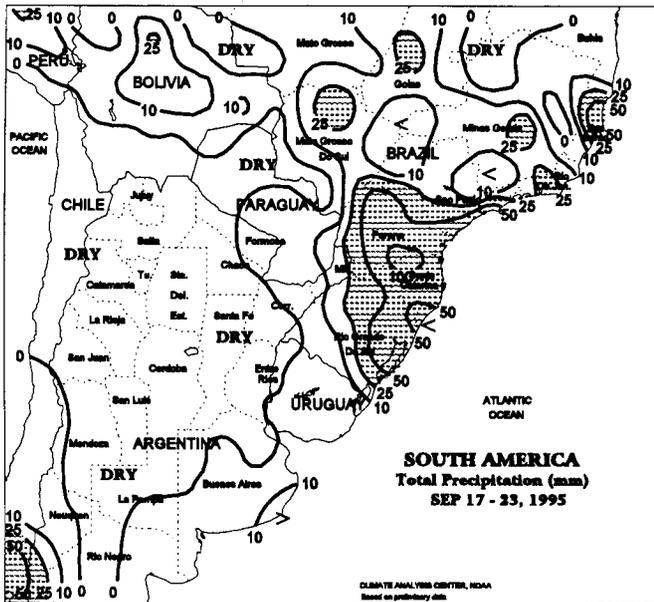
**SOUTHEAST ASIA**

Heavy rain (90-130 mm) likely caused flooding across south-central Thailand, while drier weather across the northeast eased previous wetness for maturing main-season rice. Excessive rain and flooding the past several weeks has raised concerns for main-season crops, but the moisture has boosted irrigation supplies for dry-season crops. Scattered heavy rain (100-150 mm) fell across north-central and central Vietnam, exacerbating flooding, but favorably dry weather prevailed across the north. In the Philippines, widespread rain (25-75 mm) favored corn and rice across Luzon, as mostly drier weather was reported elsewhere. Only isolated showers (5-40 mm) fell across Java, where dryness has reduced irrigation supplies for secondary crops.



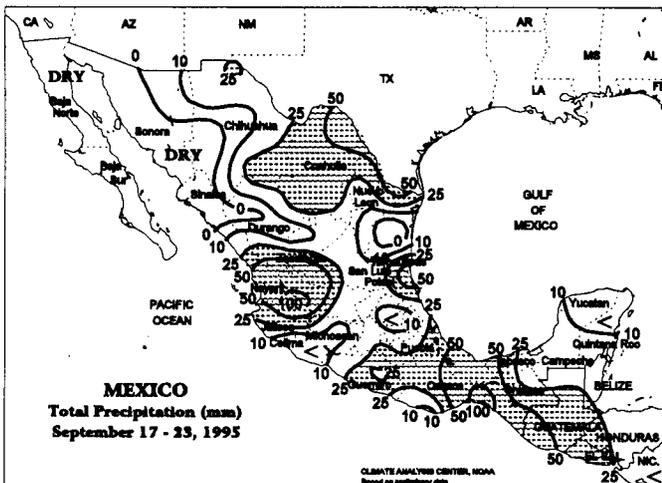
**SOUTH ASIA**

A late-season surge in the monsoon brought heavy showers (50-100 mm or more, exceeding 300 mm locally), with local flooding, to eastern India and Bangladesh. Main-season rice development ranged from heading to maturing. In central and southern India, the retreating monsoon brought moderate showers (25-50 mm or more) to most crop areas from eastern Madhya Pradesh southward. The moisture benefited central India's late-planted summer grains, oilseeds, and cotton, and increased moisture for fall-planted (rabi) crops. In contrast, seasonal dryness, accompanied by above-normal temperatures, continued throughout the northwest (Pakistan and much of western and north-central India), benefiting maturing cotton and rice.



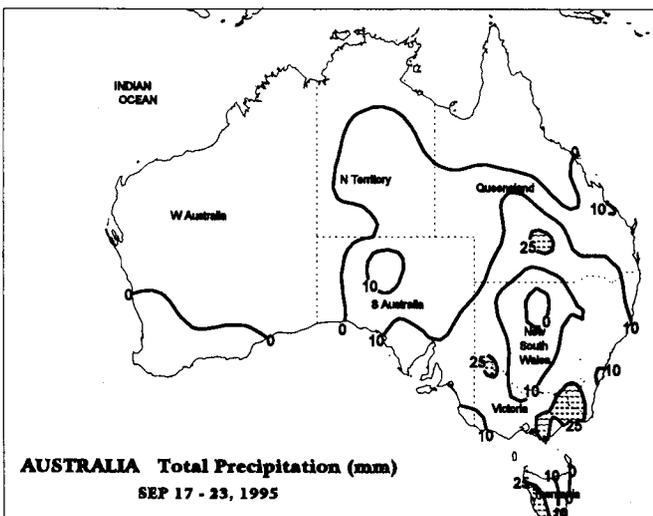
**SOUTH AMERICA**

In Argentina, freezing temperatures were reported across most of the wheat belt (as far north as central Santa Fe), burning back vegetative wheat across the region. In the northern wheat areas (Santa Fe, southern Cordoba, and northern Buenos Aires), the freeze likely damaged wheat that was flowering. Furthermore, the drought continued to stress wheat and delay summer crop planting across most of the region. Only southeastern Buenos Aires received light moisture (3-13 mm). In southern Brazil, rain (15-60 mm, with isolated amounts greater than 100 mm) stretched from Rio Grande do Sul northward into Parana and portions of Mato Grosso do Sul, boosting topsoil moisture for upcoming soybean planting. Variable showers (5-35 mm) fell across northern Sao Paulo and southern Minas Gerais, favoring citrus and coffee. Temperatures averaged 1 to 2 degrees C below normal across central Argentina and extreme southern Brazil, and 1 to 2 degrees C above normal across south-central Brazil.



**MEXICO**

Moderate rain (20-45 mm) fell across northern Mexico (eastern Chihuahua, Coahuila, and extreme northern Nuevo Leon and Tamaulipas), bringing additional drought relief to the region. Variable showers (10-100 mm) covered the Southern Plateau corn belt, aiding late-filling corn. Light rain (3-15 mm) was reported across the Yucatan Peninsula.



**AUSTRALIA**

Scattered light to moderate showers (5-35 mm) covered most crop areas of eastern Australia, including western pasture lands of Queensland and New South Wales. The moisture benefited reproductive to filling winter grains, although dry pockets occurred in southern Queensland and the southeast. Above-normal temperatures (2-3 degrees C above normal, with highs reaching 25-30 degrees C) kept crop moisture demands high in Queensland and New South Wales. More rain was needed in Queensland's sorghum and cotton areas to significantly improve prospects for planting, usually in full swing during October. In Western Australia, mostly dry, seasonably mild weather continued, reducing topsoil moisture for reproductive winter grains.

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## Selected Snow and Freeze Records, September 20-23, 1995

### Earliest Measurable Snowfall:

Location	Amount/Date	Previous
Grand Island, NE	3.0" on Sept. 20	4.0" on Sept. 29, 1985
Dodge City, KS	1.4" on Sept. 21	0.6" on Oct. 8, 1970

### Earliest Observed Snowflakes:

Location	Amount/Date	Previous
Grand Island, NE	3.0" on Sept. 20	trace on Sept. 27, 1927
Dodge City, KS	1.4" on Sept. 21	trace on Sept. 28, 1945 & '84
Rochester, MN	trace on Sept. 21	trace on Sept. 23, 1942
Green Bay, WI	trace on Sept. 22	trace on Sept. 25, 1928 & '42

### 24-Hour September-Record Snowfall:

Location	Amount/Date	Previous
Casper, WY	6.9" on Sept. 20	6.8" in 1982
Goodland, KS	5.8" on 20th/21st	5.6" on Sept. 28-29, 1985

### Earliest Freeze:

Location	Temp./Date	Previous
Concordia, KS	29°F on Sept. 22	Sept. 26, 1984
Des Moines, IA	31°F on Sept. 22	Sept. 22, 1913
Topeka, KS	31°F on Sept. 22	Sept. 23, 1983
Kansas City, MO	31°F on Sept. 22	Oct. 1, 1985
Chicago, IL	32°F on Sept. 22	Sept. 25, 1942
Wichita, KS	32°F on Sept. 22	Sept. 27, 1942
Springfield, IL	32°F on Sept. 23	Sept. 26, 1940

### September-Record Low:

Location	Temp./Date	Previous
Hastings, NE	26°F on Sept. 22	28°F on Sept. 28, 1951
Concordia, KS	29°F on Sept. 22	29°F on Sept. 29, 1984 Sept. 30, 1895
Dodge City, KS	29°F on Sept. 22	29°F on Sept. 30, 1985
Kansas City, MO	31°F on Sept. 22	not available
Parkersburg, WV	32°F on Sept. 23	32°F on Sept. 21, 1956 Sept. 29, 1942

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