

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

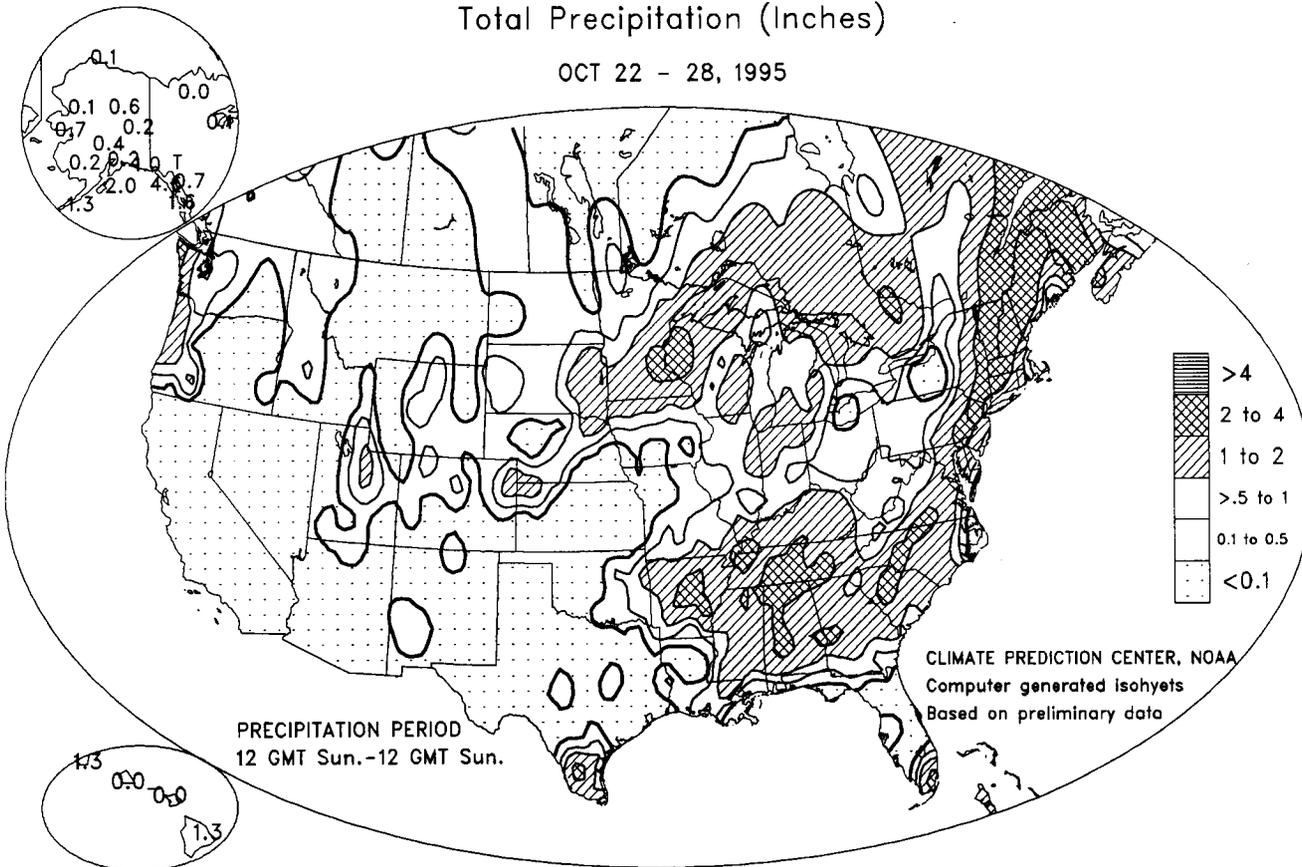
Volume 82, No. 44

Washington, D.C.

October 31, 1995

Total Precipitation (Inches)

OCT 22 - 28, 1995



HIGHLIGHTS

October 22 - 28, 1995

An early-week storm dumped heavy snow and halted harvest activities along its path from the central Rockies to the western Great Lakes States, but failed to provide moisture to emerging winter wheat from much of Kansas southward. In the storm's wake, midweek temperatures dipped below freezing as far south as Texas' Northern Panhandle and frost occurred into the lower Ohio Valley. A late-week storm swept across the Northern States, delivering rain showers and blustery winds. The system tapped subtropical moisture before racing offshore, dropping rains of an inch or more in the Southeast, and further easing long-term drought in the Northeast, where as much as 2 to 4 inches fell.

On Sunday, weather across the High Plains ranged from a near blizzard in Wyoming to record heat in Texas. Storm-total snowfall reached 13.7 inches (a daily-record 10.3 inches on October 22) in Lander, WY, while Midland, TX (continued on back cover)

Contents

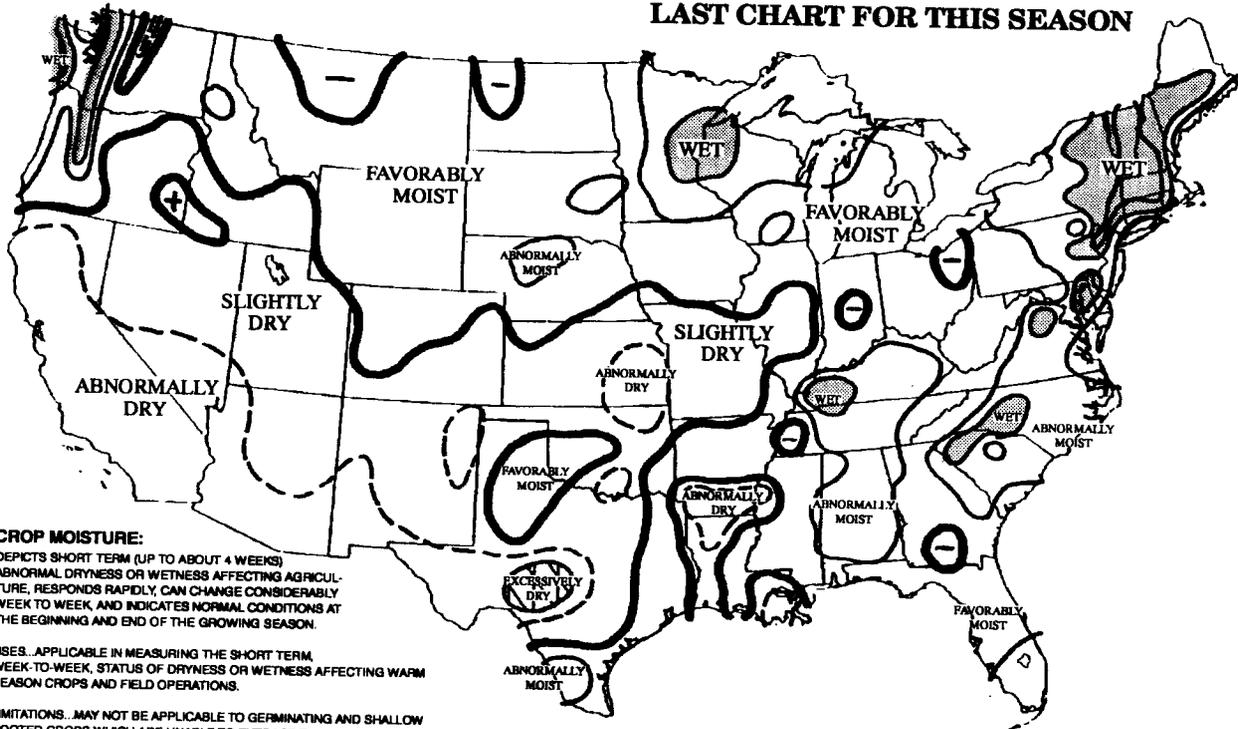
Page

Highlights & Total Precipitation Map	1
Crop Moisture Maps	2
Drought Severity Maps	3
Extreme Maximum & Minimum Temperature Maps ...	4
National Weather Data for Selected Cities	5
National Agricultural Summary	8
Crop Progress and Condition Tables	9
State Summaries of Weather and Agriculture ...	10
International Weather and Crop Summary	16
Subscription and Mailing Permit Information & Temperature Departure Map	20

CROP MOISTURE
(SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE)

October 28, 1995

LAST CHART FOR THIS SEASON



CROP MOISTURE:

DEPICTS SHORT TERM (UP TO ABOUT 4 WEEKS) ABNORMAL DRYNESS OR WETNESS AFFECTING AGRICULTURE, RESPONDS RAPIDLY, CAN CHANGE CONSIDERABLY WEEK TO WEEK, AND INDICATES NORMAL CONDITIONS AT THE BEGINNING AND END OF THE GROWING SEASON.

USES... APPLICABLE IN MEASURING THE SHORT TERM, WEEK-TO-WEEK, STATUS OF DRYNESS OR WETNESS AFFECTING WARM SEASON CROPS AND FIELD OPERATIONS.

LIMITATIONS... MAY NOT BE APPLICABLE TO GERMINATING AND SHALLOW ROOTED CROPS WHICH ARE UNABLE TO EXTRACT THE DEEP OR SUBSOIL MOISTURE FROM A 5-FOOT PROFILE, OR FOR COOL SEASON CROPS GROWING WHEN TEMPERATURES ARE AVERAGING BELOW ABOUT 55° F. IT IS NOT GENERALLY INDICATIVE OF THE LONG TERM (MONTHS, YEARS) DROUGHT OR WET SPELLS WHICH ARE DEPICTED BY THE DROUGHT SEVERITY INDEX.

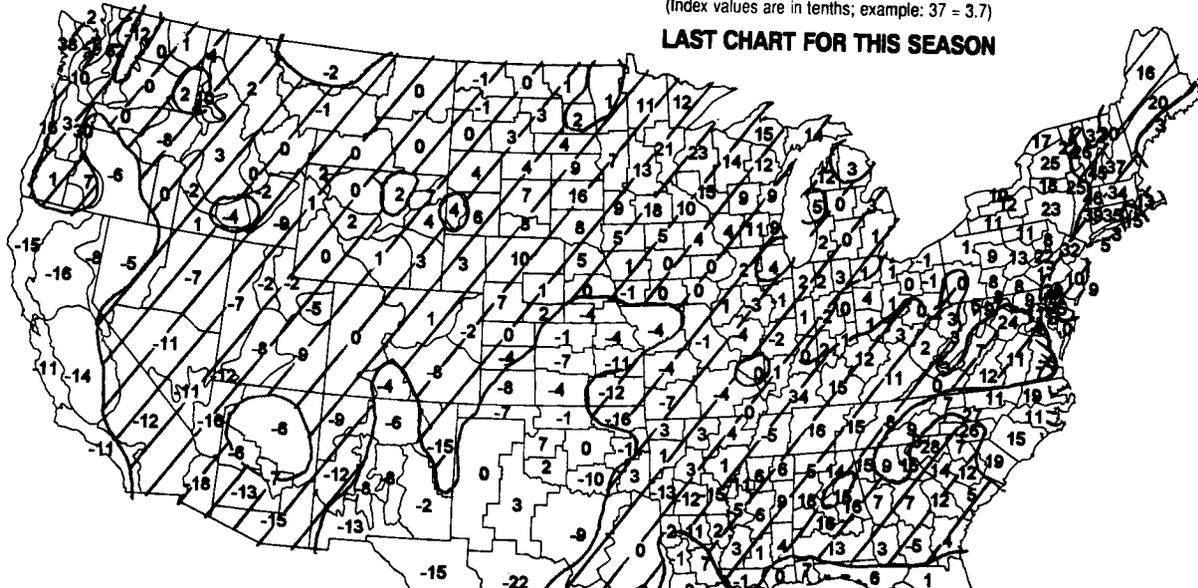
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY Based on preliminary reports

CROP MOISTURE INDEX
(SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE)

October 28, 1995

(Index values are in tenths; example: 37 = 3.7)

LAST CHART FOR THIS SEASON



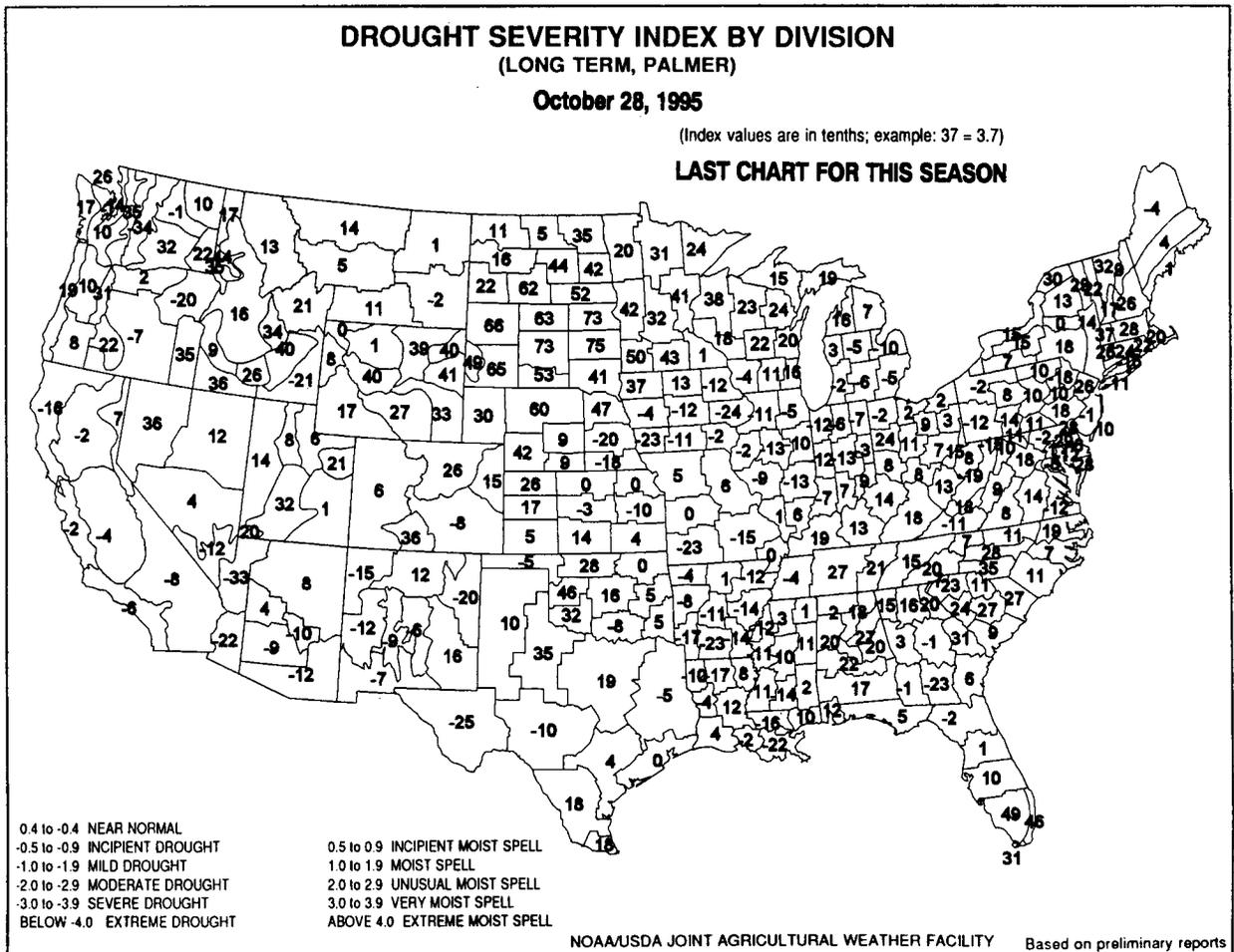
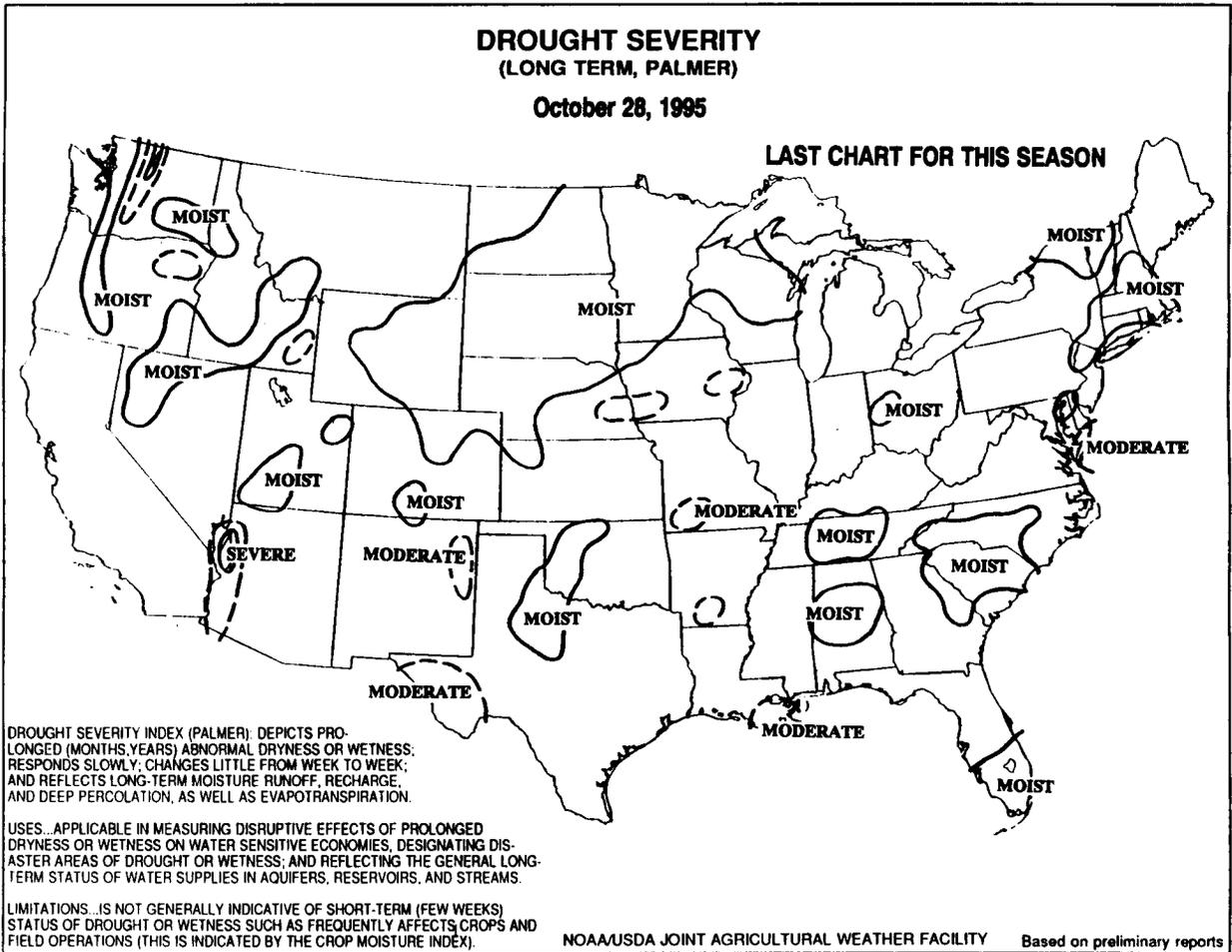
SHADED AREAS:
INDEX INCREASED OR DID NOT CHANGE

- ABOVE 3 EXCESSIVELY WET; SOME FIELDS FLOODED
- 2 TO 3 TOO WET; SOME STANDING WATER
- 1 TO 2 SOME FIELDS TOO WET; PROSPECTS ABOVE NORMAL
- 0 TO 1 MOISTURE ADEQUATE FOR PRESENT CROP NEEDS
- 0 TO -1 PROSPECTS IMPROVED BUT RAIN STILL NEEDED
- 1 TO -2 SOME IMPROVEMENT BUT STILL ABNORMALLY DRY
- 2 TO -3 DRYNESS EASED BUT FIELDS STILL EXCESSIVELY DRY
- 3 TO -4 SEVERE DRYNESS CONTINUES; MORE RAIN URGENTLY NEEDED
- BELOW -4 NOT ENOUGH RAIN; STILL EXTREMELY DRY

UNSHADED AREAS:
INDEX DECREASED

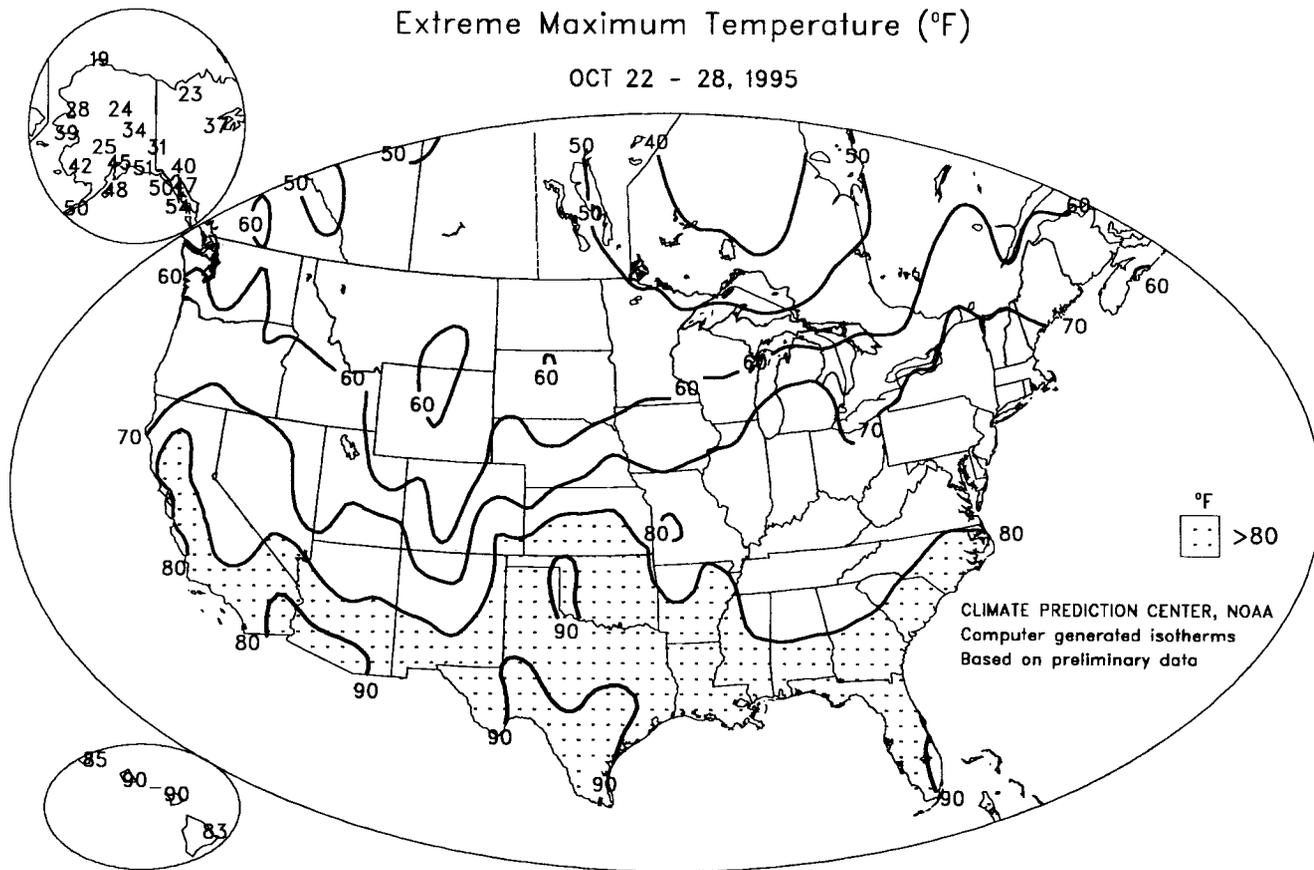
- ABOVE 3 SOME DRYING BUT STILL EXCESSIVELY WET
- 2 TO 3 MORE DRY WEATHER NEEDED; WORK DELAYED
- 1 TO 2 FAVORABLE, EXCEPT STILL TOO WET IN SPOTS
- 0 TO 1 FAVORABLE FOR NORMAL GROWTH AND FIELDWORK
- 0 TO -1 TOPSOIL MOISTURE SHORT; GERMINATION SLOW
- 1 TO -2 ABNORMALLY DRY; PROSPECTS DETERIORATING
- 2 TO -3 EXCESSIVELY DRY; YIELD PROSPECTS REDUCED
- 3 TO -4 POTENTIAL YIELDS SEVERELY CUT BY DRYNESS
- BELOW -4 EXTREMELY DRY; MOST CROPS RUINED

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY Based on preliminary reports



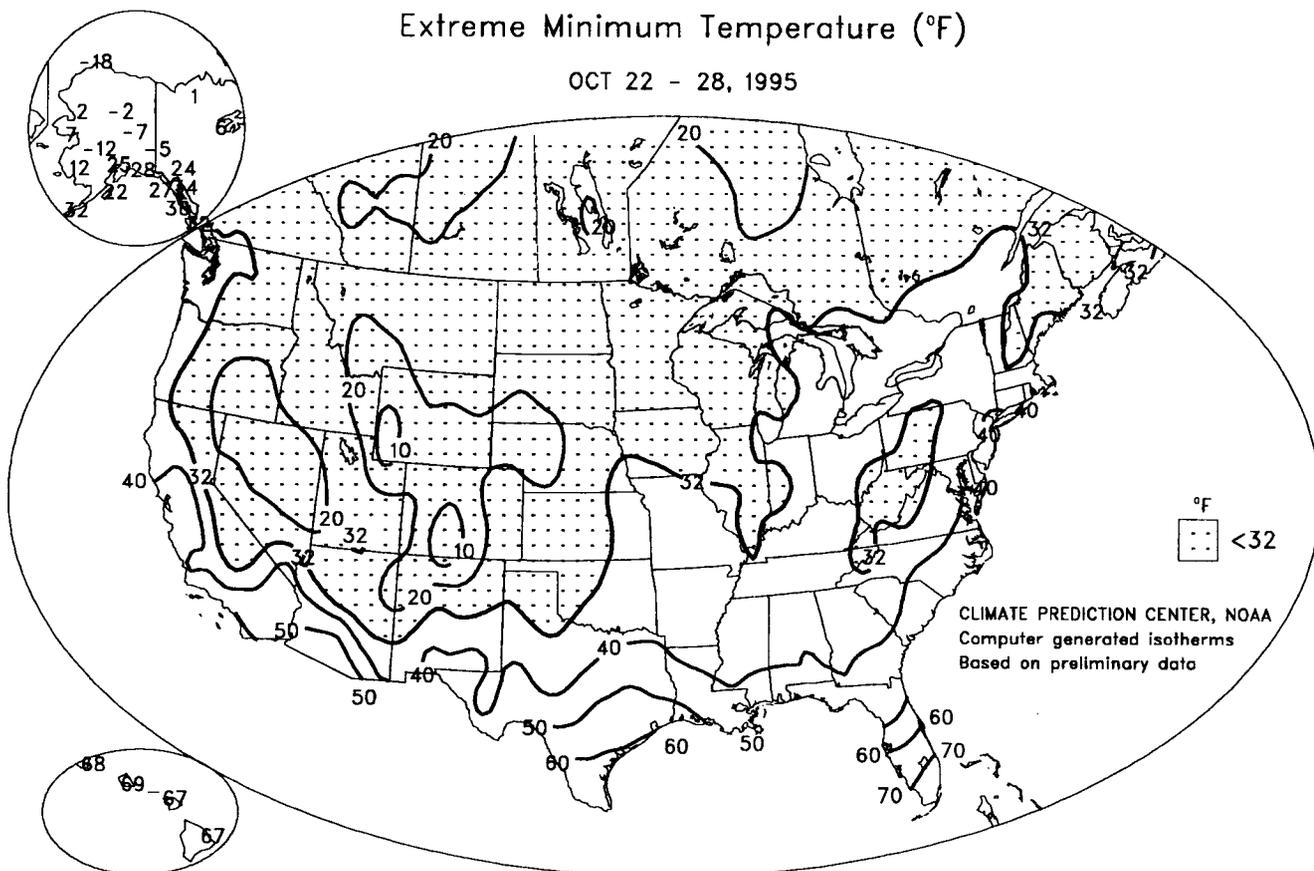
Extreme Maximum Temperature (°F)

OCT 22 - 28, 1995



Extreme Minimum Temperature (°F)

OCT 22 - 28, 1995



National Weather Data for Selected Cities

Weather Data for the Week Ending October 28, 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	92 AND BELOW	.01 INCH OR MORE
													.50 INCH OR MORE							.50 INCH OR MORE
AL BIRMINGHAM	72	44	76	35	58	-2	.9	.3	.9	17.4	270	41.7	93	88	41	0	0	0	1	1
MOBILE	80	55	86	45	68	2	.2	.4	.1	9.3	108	62.8	116	91	43	0	0	0	2	2
MOBILITY	77	47	82	39	62	1	1.3	.7	1.3	8.3	136	35.0	76	91	42	0	0	0	1	1
AK ANCHORAGE	40	32	45	25	36	5	.2	.2	.2	3.4	75	13.2	97	82	64	0	0	3	3	0
BARROW	14	2	19	-18	8	0	.1	.0	.1	.3	31	3.0	75	86	79	0	0	7	7	0
FAIRBANKS	27	11	34	-7	19	0	.2	.0	.1	1.7	96	8.6	94	89	69	0	0	7	7	1
JUNEAU	45	40	47	34	42	3	.7	-1.0	.2	9.5	68	..	..	98	81	0	0	0	5	0
KODIAK	44	33	48	22	38	0	2.0	.4	.9	26.3	194	78.1	144	88	58	0	0	3	4	2
NOKE	31	14	39	7	23	-1	.7	.4	.6	3.5	96	13.4	103	85	56	0	0	7	7	2
AZ PHOENIX	83	55	87	52	69	-1	.0	-1.1	.0	1.1	73	7.7	128	54	11	0	0	0	0	1
PRESCOTT	72	35	81	28	54	2	.0	-1.3	.0	1.0	33	11.2	69	42	14	0	2	0	0	0
TUCSON	84	50	91	46	67	0	.0	-1.2	.0	2.3	86	9.8	96	54	14	1	0	0	0	0
YUMA	86	59	92	54	72	0	.0	-1.1	.0	2.2	34	3.2	130	58	18	1	0	0	0	0
AR FORT SMITH	71	44	81	36	58	-1	.3	.5	.3	5.8	88	33.1	99	80	36	0	0	2	2	0
LITTLE ROCK	..	..	..	..	..	..	..	..	..	..	..	30.8	79	..	..	..	..	..	..	..
CA BAKERSFIELD	79	47	84	44	63	-2	.0	-1.1	.0	0	0	7.9	180	37	15	0	0	0	0	0
EUREKA	61	45	66	38	53	-1	.2	.8	.2	1.2	39	37.5	152	93	44	0	0	0	0	0
FRESNO	76	47	80	44	61	-1	.0	-1.2	.0	0	0	15.2	198	74	18	0	0	0	0	0
LOS ANGELES	76	55	82	51	66	0	.0	-1.1	.0	0	0	21.0	247	89	35	0	0	0	0	0
REDDING	78	44	87	36	61	1	.0	-1.7	.0	0	0	46.6	210	69	18	0	0	0	0	0
SACRAMENTO	76	49	80	43	63	1	.0	-1.3	.0	0	0	23.8	197	80	27	0	0	0	0	0
SAN DIEGO	73	57	76	54	65	-1	.0	-1.1	.0	0	0	15.9	232	91	46	0	0	0	0	0
SAN FRANCISCO	70	51	76	47	61	1	.0	-1.4	.0	0	0	21.0	156	83	28	0	0	0	0	0
CO DENVER	53	28	64	23	41	-7	.6	.4	.6	2.9	137	15.7	113	84	31	0	6	2	1	0
GRAND JUNCTION	61	32	69	24	47	-6	.2	-1.1	.2	.9	42	9.4	109	72	24	0	4	1	0	0
PUEBLO	65	23	80	16	44	-6	.0	-1.1	.0	1.4	97	15.3	149	59	16	0	7	0	0	0
CT BRIDGEPORT	65	47	71	42	56	3	.9	.2	.9	8.8	151	26.8	79	87	50	0	0	2	2	1
HARTFORD	68	40	75	33	54	5	2.1	1.3	1.5	12.4	178	34.1	95	91	46	0	0	2	2	2
DC WASHINGTON	67	47	76	42	57	1	1.2	.5	1.0	12.4	204	32.8	102	91	53	0	0	2	2	1
FL PANAMA CITY	80	60	83	46	70	4	.2	.8	.2	1.7	19	38.2	68	97	53	0	0	0	0	0
DAYTONA BEACH	83	64	88	53	74	2	.2	.8	.2	17.6	174	48.4	115	95	55	0	0	0	0	0
JACKSONVILLE	83	59	87	45	71	1	.2	.7	.2	8.9	85	44.8	102	98	50	0	0	1	0	0
KEY WEST	86	78	88	75	82	3	.5	.4	.3	12.8	128	35.4	103	92	73	0	0	4	3	0
MIAMI	86	76	90	75	81	4	1.2	.1	1.0	20.3	158	76.1	149	89	63	1	0	0	3	1
ORLANDO	86	65	88	56	76	2	.2	.4	.2	7.9	96	40.9	94	94	57	0	0	0	0	0
TALLAHASSEE	82	55	86	37	68	3	.2	.4	.1	7.6	92	45.3	80	96	46	0	0	2	2	0
TAMPA	85	67	86	56	76	3	.2	.1	.2	7.4	94	51.7	130	90	59	0	0	0	1	0
WEST PALM BEACH	86	75	89	71	80	4	.3	-1.3	.1	18.0	126	60.3	114	87	57	0	0	2	2	0
GA ATLANTA	72	46	75	41	59	0	1.1	.4	1.1	9.6	156	37.9	90	94	43	0	0	1	1	1
AUGUSTA	78	45	83	35	61	1	.9	.2	.9	10.2	182	40.4	105	98	41	0	0	1	1	1
Macon	78	45	82	37	61	-1	..	..	..	..	..	35.8	95	98	43	0	0	..	..	..
SAVANNAH	81	58	85	46	69	5	1.0	.6	.6	7.3	110	48.7	111	94	46	0	0	2	1	1
HI HILLO	82	69	83	67	75	0	1.3	-1.1	.6	10.1	59	70.5	69	93	69	0	0	5	1	1
HONOLULU	89	74	90	69	82	3	.2	.6	.2	.4	15	10.8	72	75	49	2	0	0	0	0
KANULUI	86	70	90	67	78	1	.2	.4	.2	.2	11	9.7	65	76	55	1	0	0	0	0
LIHOE	84	73	85	68	78	1	1.3	.2	.6	3.8	61	19.9	62	86	63	0	0	4	1	0
ID BOISE	61	33	65	28	47	-2	1	-1.1	.1	.6	44	9.7	106	81	24	0	5	2	0	0
LEWISTON	54	39	60	33	47	-2	.3	.0	.3	3.1	191	14.3	143	88	49	0	0	1	0	0
POCATELLO	57	32	62	19	44	0	.2	.2	.2	.8	47	12.8	131	76	27	0	4	1	0	0
IL CHICAGO	59	40	71	33	49	0	.8	.3	.4	4.8	80	28.2	93	86	49	0	0	4	4	0
MOLINE	61	36	71	26	48	-1	.6	.0	.2	3.1	46	30.0	88	84	48	0	3	4	0	0
PEORIA	61	39	72	31	50	0	.7	.1	.4	3.9	61	30.2	98	90	53	0	1	3	0	0
QUINCY	63	41	71	34	52	0	.2	.5	.2	2.4	31	29.6	87	73	36	0	0	3	0	0
ROCKFORD	57	37	69	28	47	-1	.9	.3	.4	4.7	72	28.4	90	96	57	0	3	4	0	0
SPRINGFIELD	63	40	73	33	52	0	.3	.2	.2	2.4	41	28.2	95	84	45	0	0	2	0	0
IN EVANSVILLE	67	45	77	34	56	1	.4	.3	.4	2.5	43	40.9	109	79	40	0	0	2	0	0
FORT WAYNE	61	41	71	33	51	2	1.0	.4	.8	3.3	68	27.8	97	85	49	0	0	4	1	1
INDIANAPOLIS	63	39	72	31	51	0	.4	.2	.3	3.1	60	29.9	90	84	45	0	2	3	0	0
SOUTH BEND	60	42	72	33	51	2	1.1	.4	.5	3.7	58	35.0	109	89	49	0	0	4	0	0
IA DES MOINES	59	36	65	31	48	-1	.1	.5	.1	3.5	54	28.5	93	79	49	0	0	0	0	0
SIoux CITY	55	33	67	27	44	-4	.6	.2	.5	5.6	119	23.2	97	89	50	0	2	2	0	0
WATERLOO	57	33	66	22	45	-1	.6	.1	.3	4.2	72	27.2	89	90	43	0	4	3	0	0
KS CONCORDIA	65	35	76	31	50	-2	.2	.4	.2	2.4	50	24.7	93	72	26	0	2	0	0	0
DODGE CITY	69	32	87	25	51	-3	.2	.3	.2	1.4	44	18.8	94	71	18	0	4	0	0	0
GOODLAND	56	29	65	26	42	-6	.8	.4	.2	2.3	95	19.7	116	84	42	0	6	2	0	0
TOPEKA	68	39	78	36	54	1	.2	.6	.2	2.9	44	35.0	111	71	22	0	0	0	0	0
WICHITA	70	39	85	29	55	-1	.0	.6	.0	2.3	35	33.8	109	65	29	0	1	0	0	0
KY BOWLING GREEN	67	42	76	34	55	0	1.0	.3	1.0	9.3	145	34.4	84	92	45	0	0	2	1	1
LEKINGTON	63	42	72	33	52	-1	1.0	.4	.8	7.4	135	45.2	122	86	48	0	0	4	1	1
LOUISVILLE	65	45	74	36	55	1	1.4	.8	1.3	6.7	121	35.1	96	89	48	0	0	3	1	1
LA BATON ROUGE	81	57	86	44	69	3	.2	.6	.2	5.2	65	60.0	118	93	47	0	0	1	0	0
LARK CHARLES	82	60	85	53	71	5	.0	.8	.0	7.2	77	51.3	114	91	52	0	0	0	0	0
NEW ORLEANS	82	61	88	42	72	5	.1	.6	.1	1.8	22	55.9	109	90	41	0	0	2	0	0
SHERBOURNE	79	50	87	40	65	3	.1	.8	.1	4.8	67	36.7	92	78	40	0	0	1	0	0

Based on 1961-90 normals.

Weather Data for the Week Ending October 28, 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	.01 INCH OR MORE	.50 INCH OR MORE
TOLEDO	62	44	73	41	53	5	.4	-.1	.4	4.8	101	27.4	102	82	49	0	0	1	0		
YOUNGSTOWN	59	42	71	35	50	2	.1	-.5	.0	4.4	75	25.1	81	79	49	0	0	0	0		
OK OKLAHOMA CITY	74	45	85	30	60	1	.0	-.7	.0	7.6	111	30.4	102	71	26	0	1	0	0		
TULSA	73	48	82	38	60	2	.2	-.6	.2	5.8	72	39.7	114	68	29	0	0	1	0		
OR ASTORIA	58	43	59	39	51	0	1.0	-.6	.9	9.2	117	47.2	105	97	63	0	0	2	1		
BURNS	59	21	65	15	40	-2	.1	-.1	.1	.3	22	10.1	136	80	27	0	6	1	0		
MEDFORD	67	38	71	29	52	1	.3	-.4	.3	15	14.6	121	85	23	0	2	2	0	0		
PENDLETON	58	38	62	30	48	-1	.1	-.1	.1	1.6	122	13.2	150	82	40	0	1	1	0		
PORTLAND	59	45	63	40	52	0	.5	-.3	.4	4.4	107	26.7	109	92	43	0	0	2	0		
SALEM	57	43	62	35	50	0	.9	.0	.5	5.8	141	32.1	125	99	68	0	0	3	0		
PA ALLENTOWN	65	40	75	36	53	2	1.2	.5	.6	10.0	153	32.2	90	92	48	0	0	2	2		
ERIE	61	46	73	40	53	3	.3	-.5	.2	6.0	77	26.3	78	77	44	0	0	3	0		
HARRISBURG	65	43	75	38	54	3	.4	-.3	.3	7.1	115	28.9	86	95	49	0	0	2	0		
PHILADELPHIA	68	46	76	42	57	6	1.8	1.1	1.0	9.5	136	26.0	69	97	55	0	0	2	2		
PITTSBURGH	62	41	76	32	52	2	.2	-.3	.2	5.0	98	24.5	80	84	52	0	1	2	0		
SCRANTON	62	43	72	35	53	4	.6	.0	.3	8.7	149	23.8	78	91	50	0	0	3	0		
RI PROVIDENCE	66	44	73	38	55	4	1.0	.1	1.0	10.2	151	31.1	86	88	48	0	0	1	1		
SC CHARLESTON	78	57	83	45	68	4	.9	.3	.7	11.2	152	46.3	102	96	53	0	0	2	1		
COLUMBIA	79	50	85	38	64	4	1.3	.7	1.3	8.6	134	49.4	115	96	42	0	0	1	1		
FLORENCE	80	54	86	42	67	6	1.3	.8	1.3	10.7	184	41.8	110	95	42	0	0	2	1		
GREENVILLE	70	45	74	37	57	0	.6	-.3	.6	7.8	103	52.6	122	94	47	0	0	1	1		
SD ABERDEEN	47	31	59	26	39	-3	.6	.3	.2	4.4	135	22.9	116	98	67	0	4	4	0		
HURON	45	31	53	25	38	-7	1.1	.8	.9	5.0	163	28.9	154	93	66	0	5	3	1		
RAPID CITY	52	29	59	20	40	-5	.7	.5	.7	2.9	127	18.7	120	82	43	0	5	1	1		
SIoux FALLS	50	33	55	29	42	-3	1.0	.7	1.0	4.0	86	29.4	134	90	62	0	3	2	1		
TN CHATTANOOGA	68	41	73	36	54	-3	1.2	.5	1.1	12.7	180	46.6	107	96	40	0	0	3	1		
KNOXVILLE	67	41	74	33	54	-2	1.5	.9	1.4	6.0	108	34.2	89	93	41	0	0	3	1		
MEMPHIS	73	50	79	38	62	2	1.2	.4	1.1	1.9	31	41.6	102	82	37	0	0	2	1		
NASHVILLE	67	44	75	36	56	-1	1.7	1.1	1.4	10.7	184	42.7	111	89	41	0	0	3	1		
TX ABILENE	79	51	89	38	65	2	.0	-.5	.0	3.2	58	22.4	103	66	19	0	0	0	0		
AMARILLO	70	38	85	29	54	-1	.0	-.3	.0	3.0	93	17.5	96	58	18	0	1	0	0		
AUSTIN	83	60	93	54	72	4	.7	-.7	.7	2.8	43	28.7	105	83	36	1	0	0	0		
BEAUMONT	81	61	85	55	71	4	.7	-.9	.7	5.6	55	45.3	96	84	49	0	0	0	0		
BROWNSVILLE	84	71	87	66	77	3	1.6	1.2	1.2	9.5	109	25.7	108	95	56	0	0	2	1		
CORPUS CHRISTI	85	67	93	62	76	5	.8	.3	.8	5.1	61	24.3	90	91	40	1	0	1	1		
DEL RIO	83	60	93	53	72	4	.0	-.6	.0	4.0	72	12.3	56	70	30	1	0	0	0		
EL PASO	79	47	84	43	63	2	.0	-.1	.0	3.2	132	7.6	97	39	12	0	0	0	0		
FORT WORTH	78	53	88	41	66	4	.0	-.8	.0	1.7	20	32.1	89	76	24	0	0	0	0		
GALVESTON	80	71	84	65	75	5	.0	-.5	.0	3.3	39	28.0	80	81	58	0	0	0	0		
HOUSTON	85	63	91	55	74	7	.7	-1.0	.7	5.4	55	36.1	83	78	43	1	0	2	0		
LUBBOCK	75	43	86	35	59	1	.0	-.4	.0	8.7	200	18.5	107	62	18	0	0	0	0		
MIDLAND	80	48	91	42	64	2	.7	-.2	.7	2.0	44	10.6	76	65	15	1	0	1	0		
SAN ANGELO	81	48	89	36	64	1	.0	-.4	.0	3.3	58	18.5	100	74	23	0	0	0	0		
SAN ANTONIO	82	63	91	54	73	6	.0	-.7	.0	4.5	71	20.6	77	72	35	1	0	0	0		
VICTORIA	86	65	92	55	76	7	.0	-.9	.0	5.1	49	26.6	69	87	36	1	0	0	0		
WACO	80	53	87	42	67	1	.7	-.7	.7	3.9	59	33.7	123	82	30	0	0	0	0		
WICHITA FALLS	80	49	91	35	64	3	.0	-.6	.0	4.4	62	24.3	86	73	22	2	0	0	0		
UT CEDAR CITY	65	29	74	19	47	-1	.0	-.2	.0	.8	41	11.1	115	56	17	0	4	0	0		
SALT LAKE CITY	60	34	70	28	47	-3	.1	-.3	.1	1.9	72	14.9	111	78	32	0	3	1	0		
VT BURLINGTON	61	45	72	41	53	9	1.1	.4	.7	8.7	148	26.2	92	79	49	0	0	3	1		
VA NORFOLK	73	51	80	43	62	4	.2	-.4	.2	9.9	145	31.0	81	89	45	0	0	1	0		
RICHMOND	70	44	76	38	57	1	1.4	.6	1.2	8.9	136	29.8	82	93	25	0	0	2	1		
ROANOKE	68	40	75	31	54	1	.1	-.8	.1	5.5	78	34.7	100	90	41	0	1	2	0		
WA QUILLAYUTE	55	42	57	38	49	0	3.2	.4	3.0	15.7	111	69.9	95	99	61	0	0	3	1		
SEATTLE-TACOMA	55	43	58	39	49	-1	.2	-.7	.2	4.8	103	25.9	103	93	59	0	0	1	0		
SPOKANE	47	31	54	24	39	-4	.2	-.1	.2	3.6	228	17.9	152	95	66	0	4	1	0		
YAKIMA	58	30	64	26	44	-2	.7	-.1	.7	.9	110	6.9	125	90	45	0	5	0	0		
WV BECKLEY	63	39	71	32	51	2	.5	-.1	.3	6.2	104	34.7	100	82	40	0	1	2	0		
CHARLESTON	65	39	77	31	52	-1	.2	-.4	.2	5.3	91	39.5	112	95	44	0	1	2	0		
HUNTINGTON	65	40	77	30	53	2	.6	-.1	.4	6.6	112	37.1	103	96	40	0	1	4	0		
PARKERSBURG	63	39	76	29	51	-1	.3	-.3	.1	5.2	97	27.0	78	95	45	0	2	4	0		
WI GREEN BAY	53	34	60	29	44	-1	1.1	.7	.9	7.5	136	25.8	103	90	59	0	3	4	1		
LACROSSE	55	39	63	35	47	1	1.1	.7	.7	5.6	96	28.0	102	97	54	0	0	-	-		
MADISON	56	36	67	27	46	0	1.6	1.1	1.0	5.8	97	29.4	104	88	55	0	2	3	2		
MILWAUKEE	55	41	69	32	48	1	1.0	.4	.8	5.3	98	26.3	94	91	56	0	1	3	1		
WISCONSIN WAUSAU	50	34	58	30	42	-1	.9	.3	.7	6.6	98	31.8	109	93	55	0	2	4	1		
WY CASPER	45	24	57	15	35	-8	.4	-.1	.4	3.5	190	17.8	162	80	52	0	7	1	0		
CHEYENNE	51	26	56	20	39	-5	.5	-.3	.4	4.1	209	19.4	146	76	30	0	7	3	0		
LANDER	45	24	57	15	35	-8	.7	-.5	.7	2.8	133	17.9	155	78	38	0	7	1	1		
SHERIDAN	51	27	60	22	39	-4	.4	-.2	.3	3.4	136	15.7	122	76	39	0	7	2	0		
PR SAN JUAN	89	76	93	74	83	1	.7	-.6	.3	13.2	127	48.7	119	93	68	1	0	4	0		

Based on 1961-90 normals.

National Agricultural Summary

HIGHLIGHTS for October 23 - 29, 1995

Significant snow and rain in the upper Great Plains delayed row crop harvest activity. Heavy snowfall damaged some soybeans and sorghum that remained in the field. The precipitation left fields saturated and could delay resumption of harvest activity for 1 to 2 weeks. Cool, rainy weather slowed harvest in the

Pacific Northwest and across the Great Lakes to the Northeast, but provided moisture for small grains. Cool, dry weather allowed farmers in the middle Mississippi and Ohio Valleys to make considerable harvest progress. Dry weather in Florida evaporated standing water from citrus and vegetable fields.

The **winter wheat** crop in the 19 major producing States was 91 percent (%) planted, 2 percentage points ahead of the 5-year average. Some producers in the Central States were waiting for rain before seeding wheat fields. Dry weather in Missouri allowed planting progress to advance rapidly but hindered emergence. Kansas wheat fields needed moisture to develop tillers, and high winds damaged some emerged fields. Continued dry conditions in Texas caused poor germination. Wet field conditions in the Pacific Northwest slowed wheat seeding. Winter wheat emerged for the major producing States was 71% complete, up 10 points from the previous week and 2 points behind the average. Wheat condition in the 19 major producing States was rated as 58% good to excellent.

Missouri, the soybean harvest at 82% complete advanced 21 points from the previous week. Nebraska farmers reported a high percentage of green soybeans resulting from the early-season frost.

Winter Wheat Crop Condition by Percent

	VP	P	F	G	EX
AR	0	9	29	59	3
CA	0	0	50	50	0
CO	2	7	28	55	8
GA	0	0	56	44	0
ID	0	1	9	75	15
IL	2	15	35	44	4
IN	2	9	40	45	4
KS	1	13	34	48	4
MI	2	4	26	48	20
MO	1	12	63	21	3
MT	0	0	19	66	15
NE	0	3	32	61	4
NC	0	0	20	75	5
OH	0	2	18	66	14
OK	0	5	40	52	3
OR	0	0	14	81	5
SD	0	3	18	63	16
TX	1	11	43	42	3
WA	0	0	8	62	30
ALL	1	8	33	51	7
Prev Wk	0	5	34	55	6
Prev Yr	1	6	27	60	6

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

The **corn** crop in the 17 major producing States was 77% harvested, up 18 points from the previous week and 15 points ahead of the average. The corn harvest in Indiana was 2 weeks ahead of normal. In Nebraska, high winds caused lodging and ear-drop. Weed problems and lodging in the Ohio Valley caused some harvest problems.

Cotton harvested at 57% complete was up 7 points from the previous week and equal to the average. The cotton harvest was active in Arizona but remained behind normal. California cotton harvested at 20% complete was 40 points behind the average. Cotton defoliation was active in the Texas plains, where cool nights slowed maturity. The Louisiana cotton harvest neared completion and farmers began gleaning fields.

Sorghum acreage harvested at 85% complete, up 14 points from last week, was 11 points ahead of the average. Harvest activity advanced by over 20 points in Illinois, Kansas, and Nebraska from the previous week. In Nebraska, sorghum harvested at 99% complete was 29 points ahead of the average.

Soybeans harvested at 87% complete was up 9 points from the previous week and 7 points ahead of the average. In

Crop Progress and Condition

Week Ending October 29, 1995

Winter Wheat Percent Planted				
	Oct 29 1995	Prev Week	Prev Year	5-Yr Avg
AR	57	35	54	45
CA	8	3	9	10
CO	100	99	100	100
GA	16	15	9	11
ID	90	81	92	95
IL	92	85	92	85
IN	92	85	93	85
KS	99	97	98	97
MI	98	94	94	92
MO	83	66	74	69
MT	98	95	88	95
NE	100	100	100	100
NC	32	28	44	34
OH	100	97	97	86
OK	93	85	94	94
OR	81	73	67	84
SD	100	99	100	100
TX	81	74	78	82
WA	96	96	91	95
ALL	91	86	89	89

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

Winter Wheat Percent Emerged				
	Oct 29 1995	Prev Week	Prev Year	5-Yr Avg
AR	26	11	36	28
CA	2	1	1	2
CO	92	87	95	95
GA	8	6	7	7
ID	62	49	59	68
IL	65	37	76	61
IN	72	42	75	63
KS	85	76	89	84
MI	83	74	78	75
MO	49	31	56	47
MT	83	74	84	74
NE	99	97	100	99
NC	13	8	19	19
OH	77	54	68	61
OK	56	42	79	72
OR	50	41	29	55
SD	93	87	98	97
TX	60	52	67	64
WA	87	83	62	80
ALL	71	61	75	73

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

Soybeans Percent Harvested				
	Oct 29 1995	Prev Week	Prev Year	5-Yr Avg
AL	45	28	23	42
AR	66	49	50	46
GA	13	10	15	23
IL	98	93	94	93
IN	98	94	96	87
IA	99	93	97	97
KS	93	75	78	84
KY	72	55	50	48
LA	91	73	61	69
MI	93	84	83	70
MN	90	82	93	96
MS	86	76	59	55
MO	82	61	68	71
NE	99	92	96	97
NC	13	7	18	16
OH	93	85	97	85
SC	5	2	12	13
SD	85	70	86	93
TN	51	32	38	35
ALL	87	78	82	80

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

Corn Percent Harvested				
	Oct 29 1995	Prev Week	Prev Year	5-Yr Avg
CO	46	17	83	54
GA	99	97	97	98
IL	92	78	76	70
IN	88	74	60	54
IA	76	53	72	62
KS	90	62	94	88
KY	95	89	82	79
MI	63	48	33	32
MN	74	59	53	54
MO	71	57	79	75
NE	63	34	75	65
NC	96	92	94	92
OH	68	46	49	47
PA	70	60	32	32
SD	55	39	50	55
TX	97	92	100	99
WI	70	53	46	37
ALL	77	59	67	62

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

Cotton Percent Harvested				
	Oct 29 1995	Prev Week	Prev Year	5-Yr Avg
AL	81	70	41	68
AZ	43	30	78	67
AR	83	73	66	72
CA	20	15	62	60
GA	65	50	30	55
LA	98	91	71	86
MS	94	90	64	77
MO	82	65	79	77
NM	36	14	36	26
NC	50	35	55	54
OK	10	5	58	31
SC	49	38	39	54
TN	72	55	62	69
TX	44	39	51	41
ALL	57	50	56	57

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

Sorghum Percent Harvested				
	Oct 29 1995	Prev Week	Prev Year	5-Yr Avg
AR	99	96	99	96
CO	63	47	50	43
IL	70	47	76	63
KS	85	65	84	70
LA	100	100	100	100
MS	100	100	100	98
MO	77	59	78	74
NE	99	77	84	70
NM	27	5	42	34
OK	33	18	42	35
SD	78	51	60	74
TX	91	89	90	85
ALL	85	71	83	74

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

State Summaries of Weather and Agriculture

These summaries provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by 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 0.78 to 1.95 in. north; none to 2.72 in. central; 0.11 to 1.46 in. south. Temperatures 4° below normal to 4° above normal statewide. Lows 31 to 39° north, 31 to 45° central; 33 to 49° south. Highs 73 to 81° north, 72 to 84° central; 81 to 87° south.

Days suitable for fieldwork 6.3. Topsoil 4% very short, 30% short, 65% adequate, 1% surplus. Sorghum turning color 82%, 89% 1994, 95% avg.; harvested 66%, 54% 1994, 77% avg. Peanuts dug 96%, 94% 1994, 96% avg.; combined 92%, 90% 1994, 93% avg. Livestock 2% very poor, 3% poor, 27% fair, 62% good, 6% excellent. Activities: Harvesting row crops, vegetables. General care of livestock, poultry, catfish. Cleaning debris from Hurricane Opal.

ARIZONA: Temperatures 3° below normal to 5° above normal. Extremes 20°; 87° higher elevations; 35°; 95° deserts. No precipitation anywhere.

Cotton harvest active but, still behind earlier years. Alfalfa 4% very poor, 5% poor, 18% fair, 32% good, 41% excellent. Harvest active; 39% light, 4% moderate, 52% active, 5% between cuttings or finished for the year. Cantaloupe, honeydew, watermelon, broccoli, green onions, sweet corn, chili peppers, radishes shipped from central fields. Tomatoes, cabbage, pumpkins, lettuce, squash, chili peppers harvested in eastern areas. Cantaloupe, honeydew, watermelon harvest progressed in western areas. Grapefruit, lemons available central, western areas. Navel orange harvest increasing in central groves. Apple, pecan, pistachio harvest progressed in eastern areas.

ARKANSAS: Temperatures above normal early in the week, were balanced by cool temperatures following the cold front on 27th. Extremes 26°; 85°. Precipitation 0.29 to 3.18 in.

Days suitable for fieldwork 6. Soil moisture 74% short, 26% adequate. Main farm activities: Picking, ginning cotton, harvesting corn, sorghum, rice, soybeans. Picking, ginning cotton continued numerous counties. The Dumas Cotton Classing Office reported 388,567 bales of cotton had been classed as of 26th. Cotton ginning was ongoing twenty-four hours a day. Corn, sorghum, rice harvests were winding down statewide. Soybean harvest progressed across the State. Wheat, oats, fall pasture planting continued. Little River county reported peanut harvest. Hay feeding was ongoing.

CALIFORNIA: Weak weather systems traversing Pacific Northwest brought scattered cloudiness, small amount rain, north. System's passage caused development, marine layer; kept valley, coastal temperatures near seasonal normals. High pressure began to build, weekend; caused some warming.

Fall harvesting activities moved forward under clear skies, reasonable temperatures, most areas. Cotton defoliation continued; harvest pace gathered strength, San Joaquin Valley. Volume cotton received by gins, not yet great enough to warrant 24 hour operational days, most locations. Areas harvested, busy shredding, discing residue. Alfalfa hay harvested, some fields disced. New seeding, alfalfa continued. Ground preparation, planting oat hay, barley, winter wheat reported, some locations. Waited for rain before planting wheat, other areas. Growers planted sugar beets, used hazing techniques, newly emerged fields to protect young plants from birds. Rice harvest continued; stubble burning limited, poor weather conditions, some locations. Corn, sudan cut for silage. Corn for grain, dry beans harvested. Black eye beans windrowed, harvested; good drying conditions reported. Stone fruit trees pruned, replacement planting underway. Table, wine, juice grape harvests continued, San Joaquin Valley. Walnut, almond, pistachio harvests continued; almond,

pistachio harvests neared completion. Kiwifruit harvest, full swing. Persimmon, pomegranate harvests continued, Sacramento Valley. Fuji, Granny Smith apple harvests continued, Tulare, Kern Counties. San Joaquin Valley Granny Smith apples placed, controlled atmosphere storage. Strawberry, olive harvests continued, San Joaquin Valley. Avocados matured quickly, sized satisfactorily. Lemon, grapefruit, Valencia orange harvests continued. Navel orange, Satsuma mandarin harvests continued, slow pace. Celery, garlic, parsley harvested, Monterey County. Fresh market tomatoes harvested along Central Coast, San Joaquin Valley. Cabbage fields, Fresno County treated to control worms. Pumpkin harvest continued. Siskiyou County potato harvest declined. Kern County chipper potato harvest expected to begin next week. Cauliflower, broccoli, spinach sprayed for worms, Stanislaus County; harvested, Monterey, San Luis Obispo counties. Kern County turnips harvested. Leeks planted, Sonoma County. Leafy vegetables harvested, Sacramento Valley, Central Coast area. Other crops harvested: Sweet corn, eggplant, okra, cucumber, squash, zucchini, peppers, various Oriental vegetables. Pastures, northern coast, higher altitudes remained good condition; feed supplies still adequate. Extremely dry conditions continued, most other areas. Supplemental feeding increased. Feed conditions continued declining as days shortened. Cows brought down from high ranges, fall calving. Fall calving, generally active; livestock movement moderate. Sheep grazed alfalfa fields. Fall lambing continued. Cattle, sheep, good condition.

COLORADO: Beginning of the week, temperatures 10 to 20° below normal. A gradual warming occurred until temperatures were near normal on the 26th through the weekend. Conditions were dry the entire week statewide. Gusty winds were experienced on the 26th with over 50 mph recorded over the north, eastern plains.

Days suitable for fieldwork 4.8. Topsoil 15% very short 27% short, 55% adequate, 3% surplus. Subsoil 13% very short, 33% short 53% adequate 1% surplus. Corn 96% mature, 100% 1994, 98% avg.; 5% very poor, 10% poor, 47% fair, 31% good, 7% excellent. Sorghum 95% mature, 99% 1994, 95% avg. Sugar beets 87% harvested, 95% 1994, 86% avg. Dry beans 96% harvested, 100% 1994, 99% avg. Alfalfa 42% 4th cutting, 83% 1994, 66% avg.; 1% very poor, 6% poor, 37% fair, 50% good, 6% excellent. Livestock mostly good to excellent.

DELAWARE: Precipitation 1.50 in. normal 0.77 in. Temperature 55.4°, normal 54.8°. Extremes 39°; 74°. High temperatures upper 60s to low 70s. Lows in the upper 30s to low 40s.

Days suitable for fieldwork 5.0. Topsoil 1% short, 99% adequate. Subsoil 39% short, 61% adequate. Corn 96% harvested for grain, 85% 1994, 88% avg. Soybeans 97% shedding leaves, 92% 1994, 94% avg.; 40% harvested, 44% 1994, 40% avg. Sorghum 64% harvested, 30% 1994, 47% avg. Barley 76% planted, 82% 1994, 77% avg. Rye 43% planted, 53% 1994, 65% avg. Wheat 39% planted, 40% 1994, 46% avg. Other hay 20% 4th cutting, 95% 1994, 78% avg. Alfalfa hay 76% 4th cutting, 100% 1994, 100% avg. Apples 96% harvested, 99% 1994, 95% avg. Hay supply short to adequate. Field crop harvest, planting of small grains.

FLORIDA: Temperatures 3 to 5° above normal. Lows, low 40s north, 50s central, low 60s interior south, 70° southeast coast. Highs, low 90s interior, upper 80s elsewhere in State. Rainfall 0.25 to 1.50 in. west Panhandle, 0.50 to 1.80 in. extreme southeast coast.

Topsoil mostly short to adequate Panhandle, northern Peninsula. Central Peninsula, southern Peninsula adequate to surplus. Cotton

harvest active. Peanut harvest winding down. Haying active when weather permitted. Wet fields delayed opening of first sugarcane mill. Sugarcane planting active when field conditions permitted. Soybean harvest active. Small grain planting for winter pasture active. Dry, cooler weather over southern Peninsula vegetable areas evaporated excess water from most fields. Milder weather allowed vegetable fieldwork, harvest progress to return to schedule. Significant vegetable acreage in south Webster, Center Hill areas lost to flooding. Tomato harvest started Palmetto-Ruskin, Immokalee areas. Vegetables available: regular tomatoes, cucumbers, sweet corn, peppers, squash, eggplant, watermelons, snap beans, okra, radishes, cherry tomatoes. Some citrus groves still drying out from wet October. Abundant new growth on trees of all ages. Wet conditions slowed some picking. Crews in all areas moving Navels, Hamlins, Ambersweet oranges, white and colored grapefruit, early tangerines, K-Early Citrus Fruit. Caretakers cutting cover crops, with little spraying, fertilizing. Some dead tree removal reported. Short to adequate moisture Panhandle, adequate to surplus central, south. Cattle condition fair 45%, good 55%.

GEORGIA: Temperatures 2 to 4° above normal most of State except 1 to 3° below normal extreme northeast corner. Highs reached low to middle 70s north, middle 80s central, upper 80s south. Lows cooled to low to middle 30s north, 40° central, low to middle 40s south. Rain 1 to 3 days northeast, southeast, 1 day at most other locations. Rain totals 1.00 to 2.00 in. common, most areas at least 0.50 in. some areas reporting near 3.00 in.

Days suitable for fieldwork 6.2. Soil moisture 7% very short, 42% short, 51% adequate. First frost in northern part of State. Harvest of row crops picking up speed. Rain needed drier areas for small grain planting to resume. Cotton 1% poor, 55% fair, 41% good, 3% excellent; 96% open bolls, 93% 1994, 95% avg. Hay 1% very poor, 10% poor, 48% fair, 38% good, 3% excellent. Peanuts 5% very poor, 21% poor, 60% fair, 14% good; 99% dug, 99% 1994, 99% avg.; 96% threshed, 94% 1994, 95% avg. Rye 83% planted, 71% 1994, 61% avg. Sorghum 67% fair, 33% good; 79% harvested for grain, 80% 1994, 82% avg. Soybeans 4% poor, 55% fair, 37% good, 4% excellent; 94% dropping leaves, 97% 1994, 99% avg. Other small grains 2% poor, 56% fair, 42% good; 62% planted, 49% 1994, 41% avg. Onions 1% transplanted, 0% 1994, 7% avg. Vegetables 1% very poor, 9% poor, 65% fair, 25% good. Apples 1% very poor, 1% poor, 1% fair, 97% good; 96% harvested, 99% 1994, 93% avg. Pecans 11% poor, 67% fair, 22% good; 16% harvested, 20% 1994, 18% avg. Cattle 33% fair, 66% good, 1% excellent. Hogs 30% fair, 69% good, 1% excellent. Other farm activities included: Harvesting hay, defoliating cotton, making plans for tobacco beds, shaking pecan trees, harvesting pecans, overseeding pastures.

HAWAII: Week began mostly sunny becoming partly cloudy with increased showers by weekend. Showers varied light to moderate over windward, upper elevations. Trade winds were light to moderate. Temperatures were cooler, especially over weekend as a cold front passed through the State. Temperatures mid 60 to 90°. Rainfall none to 5.60 in.

Heavy irrigation necessary to maintain crop progress in many areas. Voluntary water conservation measures in effect several locations due to low supplies. Banana, papaya production light to moderate. Coffee, macadamia harvesting full swing.

IDAHO: Temperatures 7° below normal to 3° above normal. Most areas below normal. Precipitation 0.27 to 1.02 in. north, 0.10 to 0.25 in. southwest, none to 0.21 in. south central, none to 0.17 in. southeast. Rain north is significantly hindering winter wheat seeding. Extremes 12°; 71°.

Days suitable for fieldwork 6.0. Topsoil 2% very short, 30% short, 58% adequate, 10% surplus. Irrigation water supplies 9% fair, 78% good, 13% excellent. Apples harvested 80%, 95% 1994, 88% avg. Corn harvested for grain 40%, 45% 1994, 43% avg. Potatoes harvested 98%, 97% 1994, 98% avg. Sugarbeets harvested 75%, 70% 1994, 74% avg. Activities: Harvesting apples, potatoes, sugar beets, canola, corn,

planting winter wheat, fall fertilization, moving cattle off high ranges, weaning, vaccinating calves, marketing cattle.

ILLINOIS: Temperatures 4° below to 2° above normal. Highs mid 50s to lower 60s. Lows were low 30s to mid 40s. Rainfall none to 1.09 in.

Days suitable for fieldwork 5.8. Topsoil 21% very short, 43% short, 36% adequate. Corn, soybean harvest continued to push toward completion as another week passed with good weather conditions. Mild days coupled with little rainfall enabled farmers to stay in the fields longer. In addition to harvesting, farmers were busy with fall tillage, spreading fertilizers, lime, applying anhydrous, winterizing, cleaning equipment. Sorghum 90% mature, 100% 1994, 98% avg.

INDIANA: Minimal precipitation fell across parts of the State, heaviest amount of 1.34 in. at Columbia City. High temperatures were in the 50s to mid 60s with the warmest temperature of 66° recorded at Evansville. Coolest temperatures mid 30s to mid 40s.

Days suitable for fieldwork 5.6. Topsoil 19% very short, 50% short, 31% adequate. Subsoil 28% very short, 50% short, 22% adequate. Corn harvest by region, 90% complete in the north, 88% central, 83% south. Corn harvest 24 days ahead of average. Soybean harvest nearing completion. Activities: Chopping stalks, spreading fertilizer, lime, selling grain, fall tillage, seeding winter wheat, equipment maintenance, care of livestock.

IOWA: Temperatures 0 to 2° below normal. Extremes 26°; 71°. Widespread rain 23rd; intermittent light rain 26th night through the weekend. Rain totals smallest southwest race at Omaha-Council bluffs; greatest northeast 1.71 in. Lansing, State 0.47 in., normal 0.48 in.

Days suitable for fieldwork 5.7. Topsoil very short 11%, short 31%, adequate 50%, surplus 8%. Subsoil very short 12%, short 31%, adequate 53%, surplus 4%. Grain movement 5% none, 33% light, 52% moderate, 10% heavy. Grain storage availability on-farm 12% short, 78% adequate, 10% surplus; off-farm 20% short, 70% adequate, 10% surplus. Moisture of all field corn 18%; average moisture of harvested corn 17%. Winter wheat planted 93%, 94% 1994, 95% avg. 1996 row crops fall tillage complete 21%, 19% 1994, 21% avg.; fall fertilizer activities complete 19%, 17% 1994, 16% avg. Livestock in mostly good condition with the exception of flu, pneumonia in hogs. Fall pasture growth minimal in most areas of the State, producers looking for forage to feed their cattle. Utilization of stubble fields for grazing 27% none, 37% light, 30% moderate, 6% extensive.

KANSAS: Temperatures 2 to 5° below normal across the State. Precipitation across the State was minimal with light amounts in the northwest district.

Days suitable for fieldwork 6.5. Topsoil 19% very short, 55% short, 26% adequate. Subsurface 10% very short, 35% short, 55% adequate. Fall harvest made excellent progress as farmers took advantage of dry weather. Across the State wheat seeding is virtually complete. Wheat emergence is good but many areas are becoming dry, need rain on wheat fields, pastures. Strong winds have damaged some stands, replanting may be necessary. Additional moisture is needed for wheat to develop tillers, adequate growth for grazing.

KENTUCKY: Temperatures low 60s to near 70° for highs, lows low 30s to mid 40s. Temperatures high 40s, upper 50s generally 2 to 4° below normal. Cold fronts moved through the State bringing rainfall, some sleet, hail. Rainfall 2.93 in. Mayfield, 2.38 in. Princeton, Lexington 0.81 in. Louisville 1.31 in. Quicksand 0.89 in. Grayson 1.17 in. Rainfall deviations above normal. Two frost advisories issued during week. West, far northern locations received coolest temperatures with Paducah reporting a low of 30.0 Many areas received light frost.

Days suitable fieldwork 4.7. Topsoil 7% very short, 21% short, 65% adequate, 7% surplus. Subsoil 9% very short, 33% short, 54% adequate, 4% surplus. Burley tobacco stripped 26% 1995, 20% 1994,

20% avg. Housed tobacco 1% very poor, 4% poor, 28% fair, 55% good, 12% excellent. Wheat 6% poor, 24% fair, 56% good, 14% excellent. Wheat seeded complete 80% 1995, 70% 1994, 64% avg. Some producers feeding hay.

LOUISIANA: Temperatures 1 to 3° above normal. Extremes 35°; 89°. Rainfall 0.03 in. west central to 0.97 in. east central.

Days suitable for fieldwork 6.8. Soil moisture 23% very short, 45% short, 32% adequate. Cotton harvest neared completion as gleaning activities proceeded without any weather related interruptions. Hay 100% second cutting, 97% 1994, 97% avg. Pecans 3% very poor, 34% poor, 49% fair, 13% good, 1% excellent; 7% harvested, 13% 1994, 20% avg. Rice 100% harvested, 99% 1994, 99% avg. Rice growers finished harvesting, began preparing ground for next years crop. Soybeans 99% shedding, 96% 1994, 92% avg. Low yields remained a source of concern among soybean producers. Sugar cane 2% poor, 23% fair, 63% good, 12% excellent; 27% harvested, 26% 1994, 22% avg. Sugar cane harvest made good progress as farmers took advantage of nearly ideal conditions. Sweet potatoes 84% harvested, 73% 1994, 80% avg. Wheat 26% planted, 19% 1994, 20% avg.; 11% emerged, 14% 1994, 11% avg. Wheat farmers were unable to plant because of dry weather. Vegetables 8% very poor, 26% poor, 44% fair, 22% good. Livestock 2% very poor, 8% poor, 40% fair, 46% good, 4% excellent. Cattlemen continued supplemental feeding.

MARYLAND: Precipitation 1.88 in. normal 0.72 in. Temperature 55.9°, normal 54.1°. Extremes 29°; 77°. Low temperatures upper 20s to low 40s. Highs were mainly in the upper 60s to upper 70s.

Days suitable for fieldwork 4.8. Topsoil 80% adequate, 20% surplus. Subsoil 1% very short, 11% short, 83% adequate, 5% surplus. Corn 90% harvested for grain, 71% 1994, 74% avg. Soybeans 50% harvested, 49% 1994, 44% avg. Sorghum 67% harvested, 58% 1994, 63% avg. Tobacco 12% stripped, 10% 1994, 7% avg. Barley 87% planted, 86% 1994, 89% avg. Rye 72% planted, 66% 1994, 70% avg. Wheat 68% planted, 61% 1994, 58% avg. Other hay 77% 4th cutting, 68% 1994, 55% avg. Alfalfa hay 95% 4th cutting, 99% 1994, 95% avg.; 34% 5th cutting, 75% 1994, 52% avg. Apples 87% harvested, 96% 1994, 91% avg. Hay supplies short to mostly adequate. Activities: Harvesting of field crops, planting of small grains.

MICHIGAN: Temperatures 40 to 52°. Precipitation 0.34 to 1.91 in.

Days suitable for fieldwork 5.0. Harvest was active in most parts of the State. Rains throughout the State, some snow flurries in the Upper Peninsula slowed harvest, fall planting, tillage. Topsoil 3% very short, 15% short, 71% adequate, 11% surplus. Subsoil 12% very short, 26% short, 59% adequate, 3% surplus. All hay, fourth cutting 84%, 77% 1994, NA avg.

MINNESOTA: Temperatures near normal to 3° below normal for the State. Extremes 23°; 62°. Precipitation near normal in the northwest district to 1.75 in. above normal in the east central. Greatest weekly 2.67 in.

Days suitable for fieldwork 2.7. Topsoil 20% adequate, 80% surplus. Corn harvested 74%, 53% 1994, 54% avg.; moisture content 19%, 21% 1994, 24% avg.; stubble worked 34%, 22% 1994, 28% avg. Soybeans harvested 90%, 93% 1994, 96% avg.; moisture content 12%, 13% 1994, 12% avg.; stubble worked 39%, 43% 1994, 54% avg. Sunflowers harvested 81%, 85% 1994, 84% avg. Sugar beets harvested 92%, 95% 1994, 97% avg.

MISSISSIPPI: Temperatures 1° above normal. Extremes 20°; 87°. Soil temperatures 66°. Precipitation 1.11 in., 0.30 in. above normal. Rainfall throughout the State 0.25 in. coastal district to 1.97 in. upper delta district.

Days suitable for fieldwork 5.3. Soil 10% very short, 26% short, 53% adequate, 11% surplus. Peanuts 100% harvested, 100% 1994, 100% avg. Pecans 16% harvested, 28% 1994, 22% avg.; 22% very poor, 13%

poor, 37% fair, 28% good. Sweet potatoes 93% harvested, 88% 1994, 88% avg.; 23% fair, 60% good, 17% excellent. Cattle 1% very poor, 7% poor, 31% fair, 52% good, 9% excellent. Main farming activities included: Harvesting cotton, soybeans, sweet potatoes, field preparation for next years crop. Rain delayed harvesting crops, benefitted pasture, forage crops. Producers are still planting winter wheat, ryegrass in some areas of the State. Some cattle producers are feeding hay due to poor pasture conditions.

MISSOURI: Temperatures near normal across the entire State. Precipitation 0.50 in., 0.11 in. northwest, to 1.42 in. southeast.

Days suitable for fieldwork 6.2. Topsoil 29% very short, 45% short, 26% adequate. Significant shortages continue to exist throughout the entire State, with shortages most severe in the southwest district which reports 58% very short, 39% short. Farmers continued to make rapid harvesting progress with all row crops during the past week. Winter wheat seedings continue ahead of normal, lack of moisture has hindered emergence of crop in some areas. Corn harvest is varied across the State, ranging from around 55% across the northern third of the State, around 80% across the central third, to completion across the southern third of the State. Ninety-eight percent of the soybeans have reached maturity. Sorghum harvest complete in the south central, south eastern districts, while only 28%, 38% of the crop has been harvested in the northeastern, north central districts, respectively.

MONTANA: Very dry, cold early in the week. A storm system brought some rain, snow late in the week.

Days suitable for fieldwork 5.6. Topsoil 2% very short, 25% short, 66% adequate, 7% surplus. Subsoil 6% very short, 29% short, 62% adequate, 3% surplus. Winter wheat seeding virtually complete. Sugar beet, potato harvest winding up. Farmers busy with fall fieldwork. Sugar beets 99% harvested, 77% 1994, 90% avg. Potatoes 93% harvested, 94% 1994, 96% avg. Cattle, calves moved from summer ranges, 83%. Sheep, lambs moved from summer ranges, 88%.

NEBRASKA: Temperatures in the west, north 6° below normals while the remainder of the State 3° below normals. Precipitation occurred across the State in the form of rain or snow traces to around 1.50 in.

Days suitable for fieldwork 4.7. Topsoil 3% very short, 27% short, 59% adequate, 11% surplus. Subsoil 5% very short, 31% short, 58% adequate, 6% surplus. Snow, rainfall early in the week delayed fieldwork activities over two-thirds of the State. Northwest, southwest districts were most affected by the harvest delay weather; however, by midweek, producers in many areas were able to return to their fieldwork activities. Corn sustained winds of 25 to 40 miles per hour were experienced on 23rd, again on 27th in many areas. This encouraged lodging of stalks, droppage of ears. Limited harvest occurred in the Panhandle, southwest due to wet conditions. Soybeans as in the past weeks, reporters indicate a higher percentage of green beans due to the early frost. Wheat: moisture received across north, southwest districts should benefit the crop. However, the southeastern district indicated that moisture is needed to help crop growth.

NEVADA: Winter-like storms brought colder temperatures, a few light snow showers to the Silver State. Snow flurries were reported in the northeast, Las Vegas had wind gusts to 40 miles per hour. High pressure returned toward the end of the week, resulting in normal temperatures, clear skies. Temperatures 3° below normal extreme south, near normal elsewhere. Extremes 6° Ruth; 92° Laughlin. Precipitation 0.09 in. at Sharon, 0.08 in. at Wildhorse.

Cropping activities were winding down in the north, while mild weather permitted continued farming in the south. Winter wheat, barley seeding was nearly complete across the State. Dry weather conditions increased irrigation needs for fall seeded grains. Alfalfa cutting was ending in the north with some growers getting a fourth cut. Alfalfa, sudan haying remained active in the extreme south, with alfalfa in the seventh cutting in some localities. Potato harvest continued in full swing in the northern portion of the State, with progress well along.

Garlic planting was ending in the Carson Valley. Pistachio harvest was active in the south. Weaning, movement of livestock from Fall ranges continued with some livestock going onto dormant hay fields. Main farm, ranch activities: Finishing haying, final irrigating, finishing fall small grain plantings, potato harvest, moving/marketing livestock, cleaning up field borders.

NEW ENGLAND: Precipitation 0.86 to 3.27 in. north, 0.90 to 3.54 in. south. Temperatures 47 to 53° north, 49 to 55° south. Maximum temperatures 67 to 78° north, 65 to 75° south. Minimum temperatures 25 to 42° north, 29 to 42° south.

Days suitable for fieldwork 5.0. Topsoil 2% short, 72% adequate, 26% surplus. Subsoil 26% short, 58% adequate, 16% surplus. Maine potatoes 99% harvested, 100% 1994, 100% avg., condition good. Rhode Island potatoes 100% harvested, 100% 1994, condition good. CT River Valley potatoes 99% harvested, 100% 1994, 100% avg., condition good/fair. Field corn 100% harvested, condition good/excellent. Second cut hay 99% harvested, 100% 1994, 100% avg., condition fair/good. Third cut hay 95% harvested, condition fair/good. Apples 99% harvested, 100% 1994, size avg., condition good. Pears 100% harvested, 100% 1994, size avg./below avg., condition fair/good. Cranberries 98% harvested, set above avg., size avg./below avg., condition excellent/good. Major farm activities: More rains fell over the weekend which continued to help the previous low water tables throughout the region. Harvest continues for high moisture corn, late cabbage, winter squash, broccoli. Potato farmers continue to take advantage of the great weather conditions in Maine to till fields, pick rocks, lime their fields. Cranberry harvest is about over; berry size for late season varieties continue to be about average, with quality excellent, color good.

NEW JERSEY: Temperatures much above normal. Extremes 33° on the 30th; 81° on the 24th. Rainfall 1.94 in. north, 1.28 in. central, 0.58 in. south. Heaviest 24 hour total 2.15 in. at Trenton on the 27th to 28th. Estimated soil moisture, in percent of field capacity, this past week 98% north, 95% central, 91% south. Four inch soil temperatures 54° north, 56° central, 57° south.

Days suitable for fieldwork 6. Lettuce, spinach harvesting is active. Corn, soybeans are still being combined throughout the State. Farmers still planting wheat, rye, barley.

NEW MEXICO: For the second week in a row none of the State stations reported precipitation. Additionally, this is the fourth consecutive week for which dry conditions dominated. Early in the week, temperatures were below normal, mid week warming resulted in average temperatures to be near the normal for the southern two-thirds of State. Stations in the northern portion of the State 2° to 6° below normal.

Days suitable for fieldwork 6.8. Soil moisture 21% very short, 58% short, 21% adequate. Alfalfa 1% poor, 20% fair, 64% good, 15% excellent. Corn 4% poor, 30% fair, 63% good, 3% excellent. Cotton 1% very poor, 15% poor, 29% fair, 38% good, 17% excellent; 99% bolls opening, 100% 1994, 100% avg.; 36% harvested, 36% 1994, 26% avg. Sorghum 30% very poor, 28% poor, 20% fair, 22% good; 99% coloring, 100% 1994, 100% avg.; 51% mature, 100% 1994, 89% avg.; 27% harvested, 42% 1994, 34% avg. Wheat 1% very poor, 13% poor, 59% fair, 27% good; 99% planted, 100% 1994, 100% avg.; 98% emerged, 67% 1994, 88% avg. Chile 9% very poor, 24% poor, 30% fair, 32% good, 5% excellent. Pecans 1% very poor, 1% poor, 22% fair, 44% good, 32% excellent. Cattle 2% very poor, 12% poor, 31% fair, 53% good, 2% excellent. Sheep 1% very poor, 9% poor, 57% fair, 31% good, 2% excellent.

NEW YORK: Mild, wide variation in precipitation. Temperatures at or above normal each day. Extremes 30°; 78°. Wet in east, dry in west. Rainfall amounts less than 0.25 in. in west, 1.00 to 3.00 in. in eastern half. Rainfall was the result of a major storm at end of week.

Corn for grain harvest continued. Apple picking was winding down. Growers busy grading, packing, moving apples into storage. Cider making in high gear. Grape harvest active. Vegetable growers turning under crop residues. Potato harvest was still in progress.

NORTH CAROLINA: Rainfall 0.93 in. during 22nd to 28th, 0.21 in. above normal. Yadkin College reported a high of 3.31 in. of rain during the past week. Temperature 59°, 3° above normal. High temperature of 78° was reported in New Bern, with a low temperature of 32° reported in Highlands.

Days suitable for fieldwork 5.1, Soil moisture 4% short, 79% adequate, 17% surplus. Oats 46% planted, 58% 1994, 53% avg. Barley 58% planted, 64% 1994, 59% avg. Rye 55% planted, 68% 1994, 52% avg. Corn 93% cut for silage, 100% 1994, 99% avg. Sorghum 61% harvested, 90% 1994, 76% avg. Peanuts 93% dug, 94% 1994, 91% avg.; 77% threshed, 84% 1994, 80% avg. Sweet potatoes 70% harvested, 83% 1994, 80% avg. Crop conditions: Apples 3% fair, 95% good, 2% excellent; peanuts, 15% poor, 60% fair, 24% good, 1% excellent; sorghum 2% poor, 18% fair, 79% good, 1% excellent; sweet potatoes 4% very poor, 12% poor, 29% fair, 54% good, 1% excellent; hay, roughage supplies 7% short, 82% adequate, 11% surplus. Activities: Harvesting vegetables; cutting silage; spraying cotton; cutting hay; harvesting row crops; planting small grains; tending livestock; repairing equipment, general farm maintenance.

NORTH DAKOTA: Most areas of the State were on the wet, cool side. Temperatures 3° below normal northeast to 1° below normal south central. Extremes 15° west central; 61° south central. Precipitation 0.13 in. southwest to 0.47 in. southeast.

Days suitable for fieldwork 5. Topsoil 3% very short, 16% short, 73% adequate, 8% surplus. Subsoil 2% very short, 14% short, 76% adequate, 8% surplus. Row crop harvest progress advanced toward completion as winter approached. Sunflower 82% harvested; 47% 1994; 72% avg.; potatoes 96% dug; 100% 1994; 100% avg.; corn for grain 74% harvested; 54% 1994; 69% avg.; dry edible beans 97% harvested; 93% 1994; 98% avg.; soybeans 84% harvested; 88% 1994; 97% avg.; sugarbeets were 96% lifted; 94% 1994; 99% avg.

OHIO: All but one reporting location received some precipitation this week. Maximum 2.00 in. at Piketon, average rainfall was about 0.50 in. Most of the rain fell 27th or 28th, with some rain lingering until 29th. Extreme lows were generally attained in midweek, with somewhat higher readings arriving with the weekend rains. Highs were in the upper 50s or low 60s; average lows were in the upper 30s or low 40s. Extreme lows were above freezing, except for a few low readings in the southeast, where a reading of 27° was the low for the week.

Days suitable for fieldwork 5.4. Topsoil 1% very short, 18% short, 77% adequate, 4% surplus. Foxtail stands, lodging of corn are causing some harvesting problems, harvest of corn, soybeans is still generally progressing well.

OKLAHOMA: Precipitation none Panhandle, west central, southwest districts to 0.35 in. southeast district.

Days suitable for fieldwork 6.5. Topsoil 9% very short, 60% short, 31% adequate. Subsoil 5% very short, 26% short, 69% adequate. Corn 87% harvested, 100% 1994, 99% avg. Soybeans 69% mature, 88% 1994, 83% avg.; 48% harvested, 65% 1994, 46% avg.; Peanuts 4% very poor, 17% poor, 38% fair, 41% good; 89% mature, 95% 1994, 93% avg.; 68% dug, 69% 1994, 60% avg.; 48% combined, 53% 1994, n/a avg. Alfalfa 60% 5th cutting, 85% 1994, 73% avg.; 6% 6th cutting, 21% 1994, 8% avg. Livestock 3% poor, 17% fair, 77% good, 3% excellent. Feeder steers, heifers steady to \$1/cwt lower.

OREGON: Temperatures west slightly above normal, eastern temperatures mostly normal. Precipitation 1.00 in. coast, northern

Cascades, High Plateau, 0.70 in. Willamette Valley, 0.40 in. southwestern valleys, elsewhere less than 0.10 in.

Days suitable for fieldwork 6.2. Topsoil 27% short, 72% adequate, 1% surplus. Subsoil 30% short, 69% adequate, 1% surplus. Mid Columbia region: Winter cereal grain seeding mostly complete. Eastern potato harvest winding down. Klamath Basin: Sugar beet harvest winding down. Willamette Valley: Winter cereal grain planting continued as weather permitted, pumpkin, beet, carrot, other cole crops harvest continued, onions still in the fields waiting for dry weather, hazelnut harvest winding down, walnut harvest continued, berry fields pruning continued, nurseries balling evergreens for shipment, waiting for leaf drop, Christmas tree harvest nearing. Hood River Valley: Large, clean pear crop, orchards pruning, fertilizing, liming continued. Southern coast: Cranberry harvest 90% completed. Livestock good-excellent. Fall livestock activities winding down. Western pasture growth excellent until first frost. Early fall calving, southern coast.

PENNSYLVANIA: Temperature 49°. Extremes 22°; 81°. Precipitation 0.48 in.

Days suitable for fieldwork 5.0 Soil moisture 2% very short, 22% short, 70% adequate, 6% surplus. Soybeans 54% harvested, 54% 1994, 38% avg.; 8% very poor, 18% poor, 39% fair, 32% good, 3% excellent. Potato harvest 85% complete, 95% 1994, 93% avg. Fall plowing 71% complete, 90% 1994, 83% avg. Wheat planted 79% complete, 94% 1994, 90% avg. Barley planted 88% complete, 98% 1994, 96% avg. Alfalfa 3rd cutting 96% complete, 100% 1994, 97% avg.; 4th cutting 68% complete, 81% 1994, 75% avg. Quality of hay made 11% very poor, 22% poor, 24% fair, 36% good, 7% excellent. Grapes 90% harvested, 87% 1994, 93% avg. Apples 92% harvested, 91% 1994, 89% avg. Activities: Harvesting corn grain, soybeans, potatoes; making hay; cutting haylage; planting barley, wheat; plowing; filling silos; fixing fences; machinery maintenance; hauling manure; caring for livestock.

SOUTH CAROLINA: Temperatures near normal in the upstate to 4° above normal across the midlands. Extremes 30°; 86°. Rainfall 1.30 in.

Days suitable for fieldwork 5.60. Soil moisture 7% short, 76% adequate, 17% surplus. Cotton harvest behind normal, 49% harvested, 39% 1994, 54% avg. Corn harvest complete, 100% harvested, 98% 1994, 100% avg.; 1% poor, 36% fair, 49% good, 14% excellent. Sorghum 75% harvested, 56% 1994, 71% avg.; 2% poor, 34% fair, 64% good. Peanuts 89% harvested, 74% 1994, 76% avg.; 15% fair, 85% good. Sweet potatoes 56% harvested, 50% 1994, 70% avg.; 99% fair, 1% good. Tobacco 100% stalks destroyed; 97% 1994, 96% avg. Apples 90% harvested, 94% 1994, 95% avg.; 100% good. Pecan 20% poor, 45% fair, 35% good. Livestock 20% fair, 80% good. Small grain planting active. Wheat 12% planted, 19% 1994, 11% avg.

SOUTH DAKOTA: Temperatures generally 1 to 6° below normal. Extremes 7°; 63°. Significant precipitation fell as rain, heavy snow with areas in the south central receiving up to 15.0 in. of snow. The heaviest precipitation fell in the south central, southeast, east central, and extreme northeast with these areas generally receiving 1.00 to 1.50 in. precipitation. Rest of the State generally received .50 to .75 in. of precipitation. Heaviest precipitation reported 1.62 in. Pickstown.

Days suitable for fieldwork 2.2. Topsoil 2% short, 47% adequate, 51% surplus. Subsoil 5% short, 59% adequate, 36% surplus. Corn 5% poor, 39% fair, 48% good, 8% excellent. Sunflowers 75% harvested, 75% 1994, 82% avg. Winter rye 35% fair, 42% good, 23% excellent. Rain, heavy snow delayed row crop harvest, damaged some unharvested crops with the heaviest damage reported in sorghum, soybeans. Some areas in the northeast report it will be one to two weeks before harvest can resume because of saturated fields. Livestock condition 10% fair, 77% good, 13% excellent. Stockwater 1% short, 76% adequate, 23% surplus. Feed supplies 1% short, 85% adequate, 14% surplus.

TENNESSEE: Temperatures between 5° below normal in the northeast, Plateau, to just above normal in the southwest. Extremes 27°; 79°.

Days suitable for fieldwork 5.0. Topsoil 1% very short, 12% short, 75% adequate, 12% surplus. Subsoil 2% very short, 14% short, 77% adequate, 7% surplus. Cotton 72%, harvested, 62% 1994, 69% avg. Tobacco 43% Stripped, 41% 1994, 39% avg. Soybeans 92% mature, 80% 1994, 78% avg.; 51% harvested, 38% 1994, 35% avg. Winter-Wheat 62% seeded, 53% 1994, 49% avg. Cattle 3% poor, 27% fair, 64% good, 6% excellent.

TEXAS: Northern half state remained dry over past week, while southern half of State drenched 28th, 29th. Rainfall excess 8.00 in. occurred 29th. Some of larger amounts 8.75 in. at Corpus Christi, 7.33 in. Hebronville, 4.14 in. at Palacios. Area wide averages, south central, upper coast, southern, Lower Valley all averaged more than 1.00 in. rain for week. Southern area averaged 3.70 in. Departures normal 0.63 in. north central to +3.23 in. southern. Dry conditions in northern half of State accompanied by well below normal temperature. The High Plains, Low Rolling Plains, North Central areas reported departures of -6°, -4°, -2°, respectively. Remaining districts 0 to +2°. Mean soil temperature varied from 59° at Bushland to 80° at Beeville last week. Highest daily maximum soil temperature was 93° at Beeville, while lowest daily minimum soil temperature was 48° at Bushland.

Crops: Small Grains--planting activity continued; however some producers stopped planting while they wait for rain. Some replanting may be necessary because prolonged dry conditions. Poor germination reported some areas. High Plains fields have uniform stands; however, good rain would benefit these fields as stockers beginning arrive for grazing. Statewide wheat condition rated 70% normal compared 67% 1994. Corn harvest very active during week in Plains, nearing completion many fields. Cotton--open conditions allowed cotton producers move ahead with harvest, defoliation activity during week in Plains, Cross Timbers. Cool nights slowed maturing later fields. Gins running full speed in these areas. Harvest continued wind down in portions of Blacklands. Bolls opening 85%, 94% 1994, 85% avg. Grain sorghum harvest progressed without delay in Plains, Cross Timbers during week. 99% mature, 97% 1994, 97 avg. Peanut yields, grades continued below average many Central, South central fields. Yields better in Plains, Cross Timbers. Harvest continued without much delay in most areas during week. Statewide condition rated 72% normal compared 75% 1994; 45% harvested, 39% 1994, 45% avg. Sunflowers 60% harvested, 66% 1994, 61% avg. Sugar beets 15% harvested, 14% 1994, 33% avg. Pecans 18% harvested, 18% 1994, 19% avg.

Commercial Vegetables: Rio Grande Valley, planting, harvesting activities experienced some delays because scattered showers. San Antonio-Winter Garden, watermelon harvest continued as did planting activity. East, sweet potato harvest continued with good yields, demand reported. Harvest of greens also continued. High Plains, potato harvest winding down. Harvest cabbage, carrots continued. Pecans: harvest across South, Central increased. Some reports nuts not filling properly. Harvest also continued in Blacklands, good quality reported. Elsewhere, shucks rapidly splitting.

Range and Livestock: Supplemental feeding activities increase as dry conditions have left many pastures short. Small grain pastures in Plains could use good rain as stockers beginning to arrive. Markets remained steady. Some producers culled because dry conditions.

UTAH: Temperature maximums 1° below normal; minimums 5° below normal. Precipitation light to moderate except for Dixie, south central, southeast divisions which received no measurable precipitation.

Days suitable for fieldwork 6.5. Topsoil 5% very short, 43% short, 50% adequate, 2% surplus. Subsoil 7% very short, 36% short, 53% adequate, 4% surplus. Winter wheat emerged 84%, 70% 1994, 79% avg. Corn harvested for grain 27%, 71% 1994, 62% avg. Alfalfa hay seed harvest 95%. Potatoes harvested 98%. Apples picked 99%. Cattle moved from summer range 92%. Sheep moved from summer range 91%. Major farm, ranch activities were fall tilling, harvesting apples, potatoes, alfalfa seed, moving cattle, sheep.

VIRGINIA: Temperatures varied across the State this week. Extremes 31°; 73°. Showers fell over most of the State this weekend with Ashland receiving just short of 3.00 in.

Days suitable for fieldwork 5.4. Topsoil 1% very short, 6% short, 85% adequate, 8% surplus. Subsoil 1% very short, 17% short, 79% adequate, 3% surplus. Fall apples harvested 98%, 95% 1994, 93% avg. Winter apples harvested 75%, 97% 1994, 64% avg. Corn harvested for grain 85%, 83% 1994, 81% avg. Soybean 10% very poor, 21% poor, 39% fair, 28% good, 2% excellent; harvested 30%, 29% 1994, 26% avg. Peanuts dug 97%, 100% 1994, 94% avg.; combined 90%, 99% 1994, 88% avg. Cotton harvested 48%, 39% 1994, 30% avg. Barley seeded 75%, 83% 1994, 76% avg. Oats seeded 59%, 95% 1994, 84% avg. Winter wheat seeded 43%, 43% 1994, 38% avg. Livestock 3% poor, 11% fair, 78% good, 8% excellent. Soybean, cotton harvest active while small grain seeding was in full swing. Fertilizer applications continued. Peanut, corn harvest winding down.

WASHINGTON: Temperatures 7° below to normal west; 10 to 4° below normal east. Precipitation 0.28 to 1.74 in. west; none to 0.34 in. east. Cool, wet weather limited field activities.

Days suitable for fieldwork 5.3. Topsoil 1% short, 91% adequate, 8% surplus. Subsoil 17% short, 83% adequate. Irrigation water supply 100% adequate. Harvest activities delayed in some areas due to wet conditions. Precipitation prevented some winter wheat field from being planted. U-cut Christmas tree growers prepared for sales. Pumpkins, buckwheat harvests were underway. Mouse control, tree removal prior to replanting were the major orchard clean up activities. Cranberry harvest nearly complete. Apples, cranberries, grapes, carrots were harvested. Pasture conditions improved but growth slowed with the cool, wet weather. Winter wheat dryland 9% fair, 62% good, 29% excellent; irrigated 1% fair, 57% good, 42% excellent. Potatoes 13% fair, 87% good. Corn 100% good. Dry edible beans 100% good. Hay other roughage supplies 2% short, 90% adequate, 8% surplus. Winter wheat 96% planted, 91% 1994, 95% avg.; 87% emerged, 62% 1994, 80% avg. Potatoes 91% harvested, 96% 1994, 90% avg. Dry edible beans 95% harvested, 100% 1994, 99% avg. Corn harvested for silage, 98% harvested, 100% 1994, 98% avg. Corn harvested for grain, 16% harvested, 63% 1994, 47% avg.

WEST VIRGINIA: Temperature 51°. Extremes 25°; 85°. Temperatures 1° below normal in the north central region to 3° above

normal in the central, southern, northeastern regions. The greatest weekly total precipitation was 1.21 in. reported at Terra Alta. State average 0.54 in.

Days suitable for fieldwork 4.8. Topsoil 22% short, 76% adequate, 2% surplus. Wheat 51% planted, 68% 1994, 57% avg. Hay third cutting 99%, 100% 1994, 97% avg. Corn harvested 83%, 70% 1994, 68% avg. Soybeans 36% fair, 61% good, 3% excellent; 35% harvested, 65% 1994. Barley 91% planted, 73% 1994. Cattle 2% poor, 18% fair, 77% good, 3% excellent. Sheep 1% poor, 21% fair, 74% good, 4% excellent. Activities: Marketing cattle, harvesting apples, corn, soybeans, sowing wheat, barley, equipment maintenance.

WISCONSIN: Temperature 43°, 1° below normal. Extremes 23°; 69°. Precipitation 1.10 to 3.10 in.

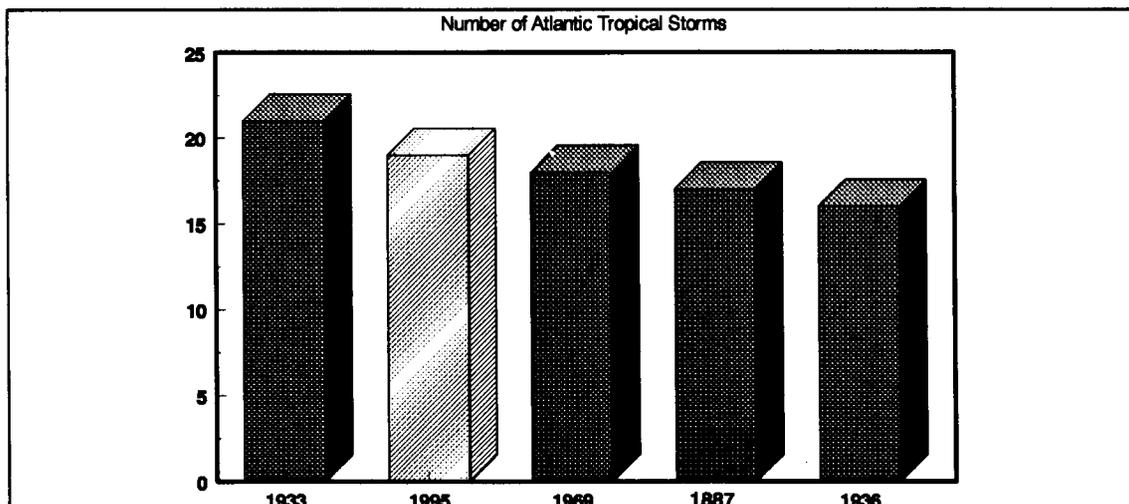
Days suitable for fieldwork 4.2. Soil moisture 10% short, 63% adequate, 27% surplus. Soybeans harvested 88%, 78% 1994, 75% avg. Fall tillage 43%, 32% 1994, 35% avg. Rainfall at the end of the week halted harvest progress. Farmers switched their focus from harvesting soybeans to harvesting corn. Nice weather in the middle of the week allowed a few days for harvest of corn for grain. Farmers harvested 17% of the corn for grain over the past week. Some reports noted that the corn moisture level was as low as 15%. Reporters mentioned that the yields were average to slightly above average. Soybean harvest was almost completed with the remaining fields being to wet to harvest. Soybean yields have been reported as good to excellent. A few farmers put alfalfa into silos. Cranberry harvest wrapped up with varied yields. Reports showed good fruit size but some poor colored fruit. Fall tillage progressed ahead of normal due to the early harvest.

WYOMING: Temperatures 1 to 6° below normal across most of State. A few scattered areas averaged slightly above normal. Extremes low 6° Fossil Butte, high 72° Wheatland, Carpenter. Precipitation 0.10 to 1.90 in. above normal across most of State. A few areas averaged 0.10 to 0.20 in. below normal. Wheatland received the greatest amount of precipitation of 2.03 in.

Days suitable for fieldwork 3.0 days. Topsoil 97% adequate. Potatoes 80% harvested, 100% 1994, 100% avg. Sugar beets 95% harvested, 89% 1994, 87% avg. Corn 45% harvested, 60% 1994, 58% avg. Livestock moved from summer pastures: cattle 89%, sheep 89%.

Atlantic Storm Season Now Second Most Active

With the formation of Tropical Storm Tanya on October 27 northeast of the Caribbean, the 1995 Atlantic tropical storm count reached 19, just 2 shy of the 1933 record of 21. Tanya became this season's 11th hurricane on October 29. In more than 100 years of records, only one year had more hurricanes; the year 1969 featured 12.



International Weather and Crop Summary

October 22 - 28, 1995

HIGHLIGHTS

FSU-WESTERN: Mostly dry weather over Ukraine and southern Russia helped corn, sunflower, and sugar beet harvesting.

EUROPE: Weather conditions continued to favor summer crop harvesting.

NORTHWESTERN AFRICA: Dry weather prevailed over Morocco, Algeria, and Tunisia.

SOUTH ASIA: Warm, seasonably dry weather favored summer crop drydown and harvesting as well as winter grain and oilseed planting.

SOUTH AFRICA: Scattered showers kept topsoils moist for corn germination in the eastern corn belt.

AUSTRALIA: Rain in Queensland improved cotton and sorghum planting prospects.

EASTERN ASIA: Rain aided emerging wheat across central China, while mostly dry weather elsewhere favored summer crop harvesting.

SOUTHEAST ASIA: Tropical Storm Yvette struck the southern coast of Vietnam, and Typhoon Zack hit the south-central Philippines. Drier weather eased flooding in southern Thailand, while widespread showers benefited secondary crops in Java.

SOUTH AMERICA: In Argentina, rain benefited reproductive winter wheat and boosted topsoil moisture for corn and sunflower planting. Showers increased topsoil moisture for soybean planting across extreme southern Brazil.

MEXICO: Scattered rain slowed harvesting across the main corn belt.

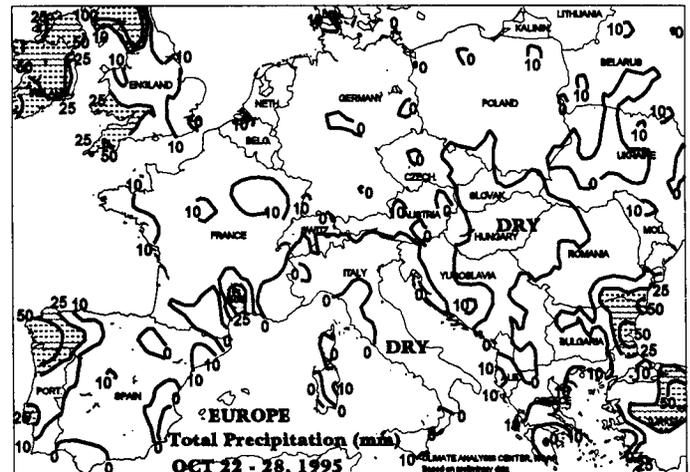
FSU-WESTERN

High pressure persisted over most of the region during the week, providing cool, dry weather. The dry weather in Ukraine and Russia helped the corn, sunflower, and sugar beet harvests to progress toward completion without delays. The first widespread subfreezing minimum temperatures (-1 to -6 degrees Celsius (C)) of the autumn covered Ukraine and southern Russia on October 23-25, ending the 1995 growing season. The cold weather in these areas prompted cold-hardening in winter grains, which typically enter dormancy in mid-November. Farther north, winter grains over northern Russia (Central Region, upper Volga Valley, and Volga Vyatsk), Belarus, and the Baltics continued to cold-harden prior to entering dormancy, typically in early November. Weekly average temperatures ranged from 3 to 5 degrees C across the north and 5 to 10 degrees C in the south.

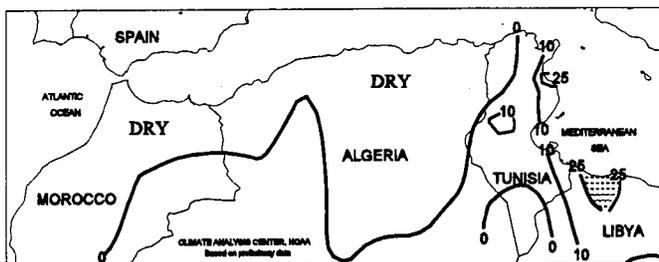


EUROPE

Light showers (mostly less than 15 mm) fell over England and northern France, and through Germany into Poland, causing only minor delays in sugar beet harvesting. In addition, the precipitation moistened topsoils for developing winter grains. Although wet weather (25-50 mm) covered the extreme northwestern portion of the Iberian Peninsula, little, if any, precipitation fell farther inland over drought-stricken Spain. Elsewhere, dry weather spread from Mediterranean crop areas into southeastern Europe, favoring summer crop harvesting. Subfreezing temperatures (-1 to -5 degrees C) covered southeastern Europe, prompting cold-hardening in winter grains. Weekly temperatures averaged 1 to 3 degrees C below normal over eastern Europe. In western Europe, however, temperatures averaged 3 to 6 degrees C above-normal, promoting rapid growth in winter grains.

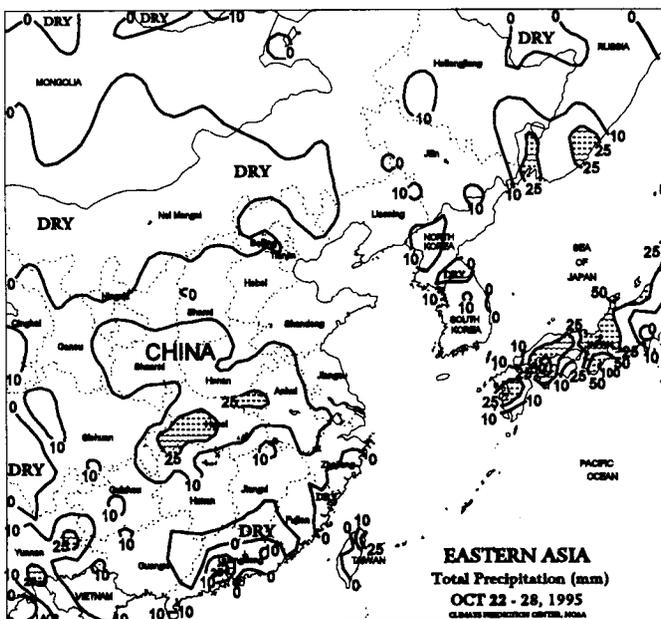


**NORTHWEST AFRICA Total Precipitation (mm)
OCT 22 - 28, 1995**



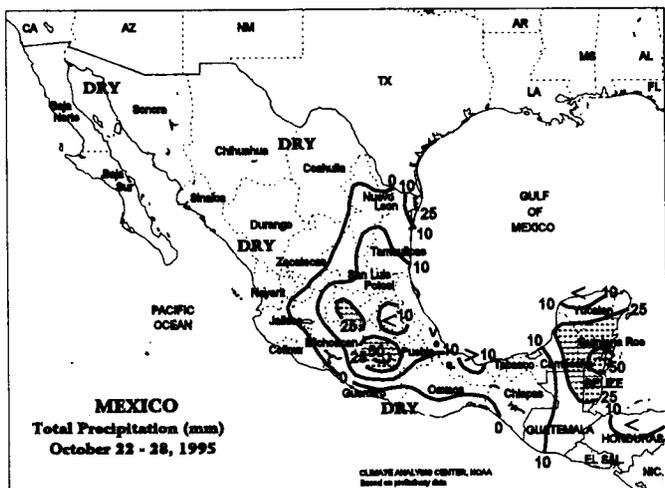
NORTHWESTERN AFRICA

Preparations for winter grain planting continued over most of the region, helped by mostly dry weather. Winter grains are usually planted from mid-November to mid-December, coinciding with the onset of the autumn rainy season. Early-autumn rain over eastern Algeria and Tunisia has provided sufficient topsoil moisture for early winter-grain planting. However, autumn rain has not yet begun in Morocco and western Algeria, where producers await the onset of autumn rain before planting can begin.



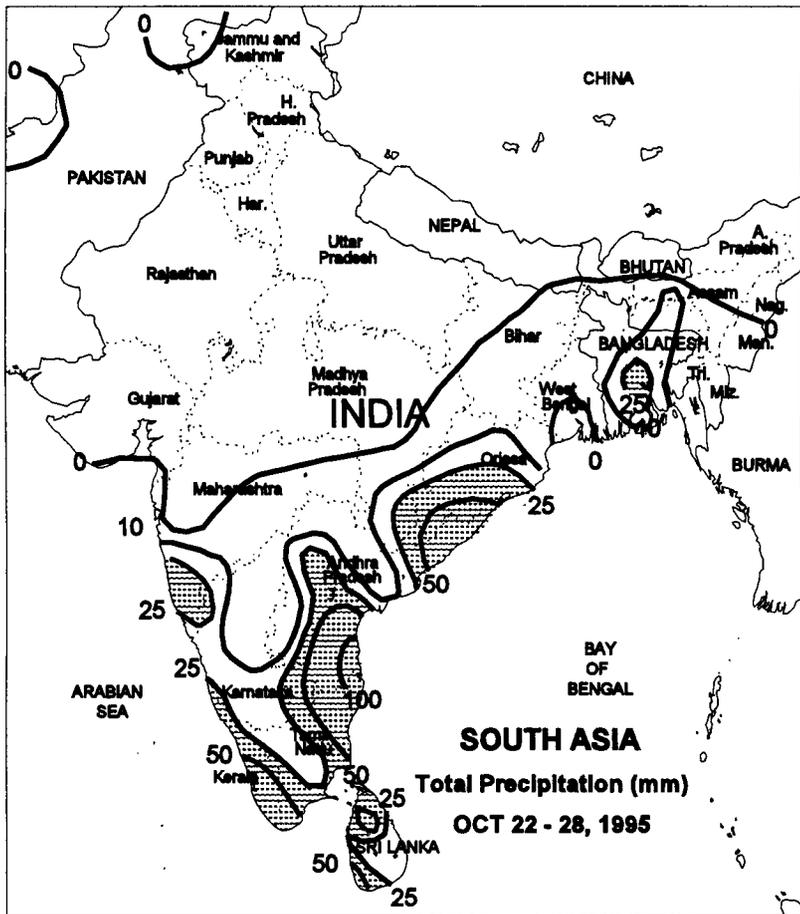
EASTERN ASIA

Light to moderate rain (5-30 mm) covered central China (extreme eastern Sichuan eastward into Henan and southern Anhui), aiding emerging winter wheat and increasing topsoil moisture for winter oilseed planting. Elsewhere throughout China, mostly dry, warm weather favored corn, soybean, cotton, and late-rice harvesting. Mostly light rain (less than 10 mm) fell across the Korean Peninsula, aiding rice harvesting. Moderate rain (10-40 mm) slowed rice harvesting across Japan.



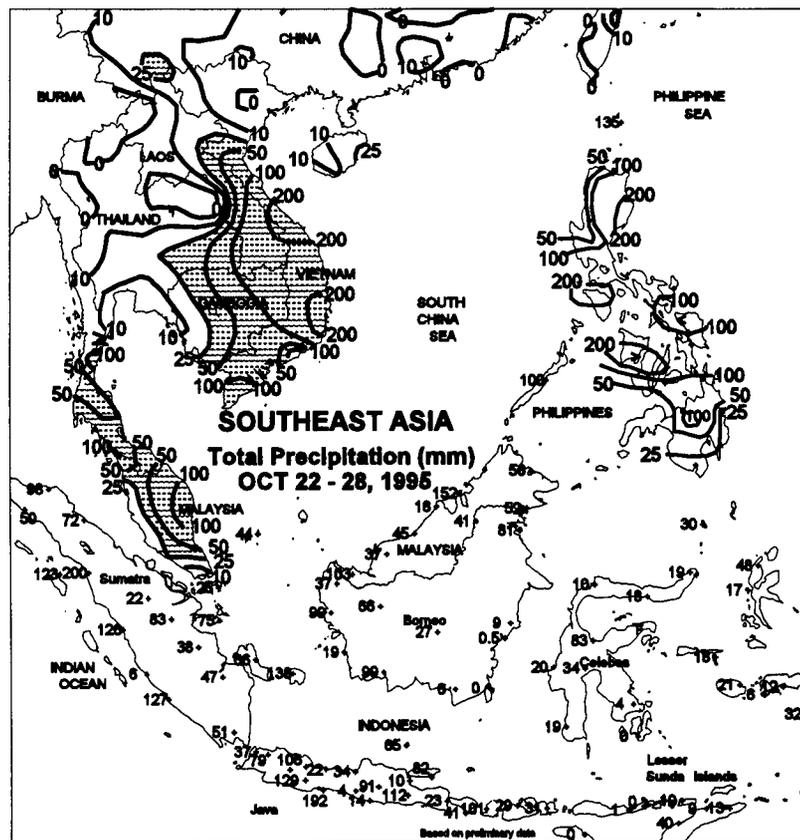
MEXICO

Scattered rain (10-40 mm) slowed harvesting across the Southern Plateau corn belt. Moderate showers (25-50 mm) fell across the Yucatan Peninsula, aiding filling corn. Showers (20-40 mm) benefited citrus and increased irrigation supplies across the northeast (Tamaulipas). This will be the last weekly summary until the spring of 1996. Updates will be published as warranted.



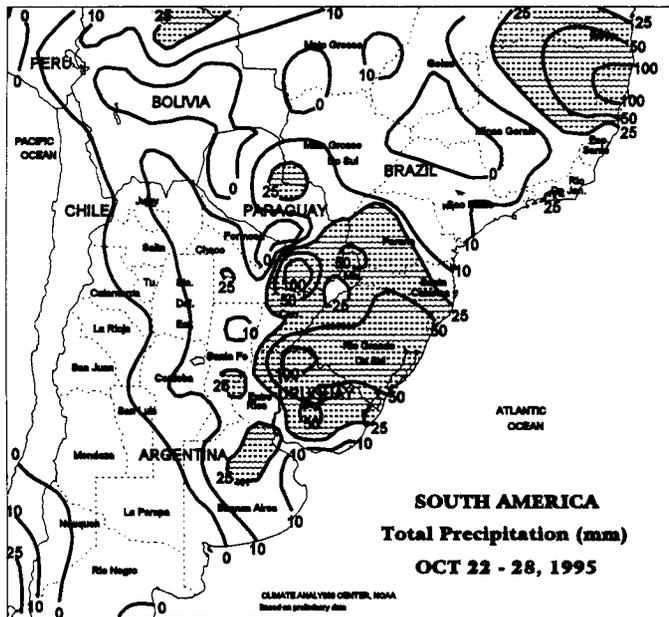
SOUTH ASIA

Warm, seasonably dry weather returned to central India. Following last week's rain, the seasonable clearing aided growth of late-planted summer crops while favoring summer crop maturation and fieldwork. Farther north, dry, warm weather from Pakistan to far eastern India benefited filling to maturing summer crops and favored winter wheat and oilseed planting. In southern India, unseasonably heavy showers (50-100 mm or more) lingered in coastal rice areas, but drier weather abated flooding over sections of the southern interior.



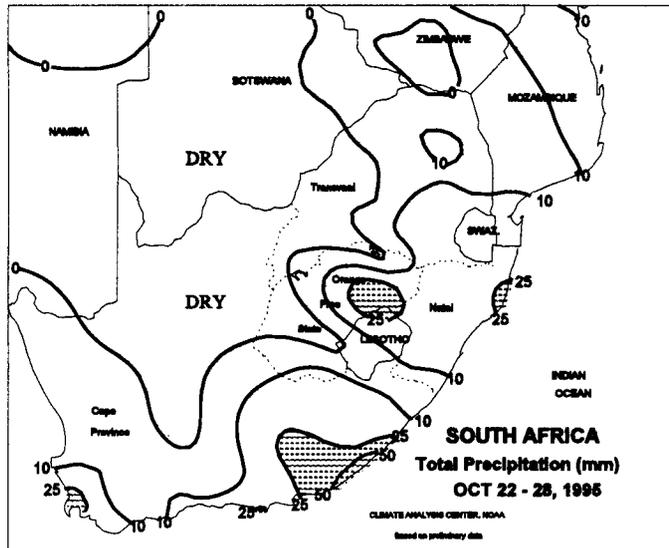
SOUTHEAST ASIA

Drier weather (10-25 mm) eased flooding across southern Thailand, while dry weather aided rice harvesting in the north. Tropical Storm Yvette moved across the central Philippines on October 23 and 24, with relatively light winds (30 knots (35 mph)). On October 28, Typhoon Zack also struck the central Philippines, with sustained winds of 65 to 70 knots (75-81 mph). The two storms produced widespread, heavy rain (100-200 mm, with isolated amounts greater than 250 mm) across most areas, slowing main-season rice harvesting and causing some crop damage, but maintained irrigation supplies for the second-season crop. Yvette intensified into a strong tropical storm (60 knots (70 mph)) as it moved across the South China Sea and hit the south-central coast of Vietnam (near Qui Nhon) on October 26. Yvette helped to produce widespread, very heavy rain (200-300 mm) across portions of the central Vietnamese coast, causing flooding and delaying rice harvesting. Mostly dry weather favored rice harvesting across Vietnam's Red River Delta. Widespread showers (20-110 mm, with isolated amounts greater than 150 mm) covered Java, increasing irrigation supplies for secondary crops.



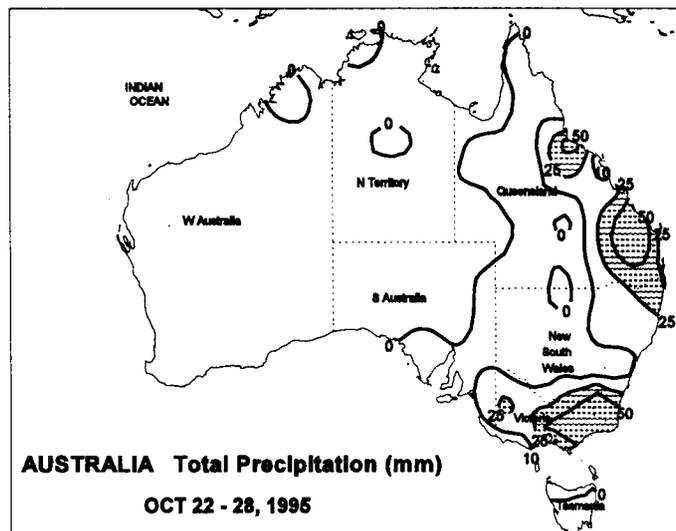
SOUTH AMERICA

In Argentina, light to moderate rain (10-30 mm) fell across southern Santa Fe and most of Buenos Aires, favoring reproductive winter wheat and increasing topsoil moisture for corn, sorghum, and sunflower planting. However, La Pampa and southwestern Buenos Aires remained dry, where rain is needed for vegetative wheat. Hot weather (35-38 degrees C) prevailed across the western grain areas (Cordoba and La Pampa), stressing newly planted grains. Farther north, showers (7-30 mm) increased soil moisture for cotton and sunflower planting. In Brazil and Paraguay, moderate showers (20-50 mm, with isolated amounts greater than 100 mm) kept topsoil moisture favorable for soybean planting across extreme southern Brazil (southern Parana southward into Rio Grande do Sul) and southeastern Paraguay. Farther north, interior southern Brazil was mostly dry, spurring soybean and corn planting. Variable showers (20-100 mm) aided cocoa and coffee in Espirito Santo and southern Bahia.



SOUTH AFRICA

Scattered, mostly light showers (25 mm or less) kept topsoils moist for corn germination across the eastern corn belt. Dry weather returned to the western corn belt, spurring fieldwork where soil moisture was adequate for germination. Corn planting is typically in full swing by mid-November. Farther south, light to moderate showers (10-25) swept across crop areas of Eastern Cape and Kwazulu-Natal Provinces. In Western Cape Province, scattered, mostly light showers caused minor winter wheat harvesting delays.



AUSTRALIA

Widespread, locally heavy rain (10-25 mm, exceeding 50 mm north of Darling Downs) pushed through eastern Australia's main crop areas. In Queensland, the heavy rains improved planting prospects for sorghum and cotton. Along Queensland's coast, the rain continued to improve moisture conditions for sugarcane. Farther south (New South Wales and Victoria), showers boosted moisture reserves for pastures and immature winter grains but hampered harvesting of the mature portion of the crop. In Western Australia, warm, dry weather favored filling to mature winter grains following last week's wet weather. In New Zealand, moderate rain (25-35 mm) covered pastures of central North Island, but rainfall was light (10 mm or less) elsewhere in major grazing areas.

The Weekly Weather and Crop Bulletin is published weekly and jointly prepared by the U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA) and the U.S. Department of Agriculture (USDA). Publication began in 1872 as the Weekly Weather Chronicle. It is issued under general authority of the Act of January 12, 1895 (44- USC 213), 53rd Congress, 3rd Session. NOAA is responsible for managing, printing, and distributing the bulletin. The contents may be reprinted freely, with proper credit.

Annual subscriptions: domestic first class \$45, foreign \$55 (in U.S. funds by international money order or check drawn on U.S. bank) payable to U.S. Department of Commerce, NOAA. POSTMASTER: Send address changes to **Weekly Weather and Crop Bulletin, NOAA/USDA, Joint Agricultural Weather Facility, USDA South Building, Room 5844, Washington, DC 20250.** Order subscriptions from the office and address listed above. First class postage paid at Washington, DC, and additional mailing offices.

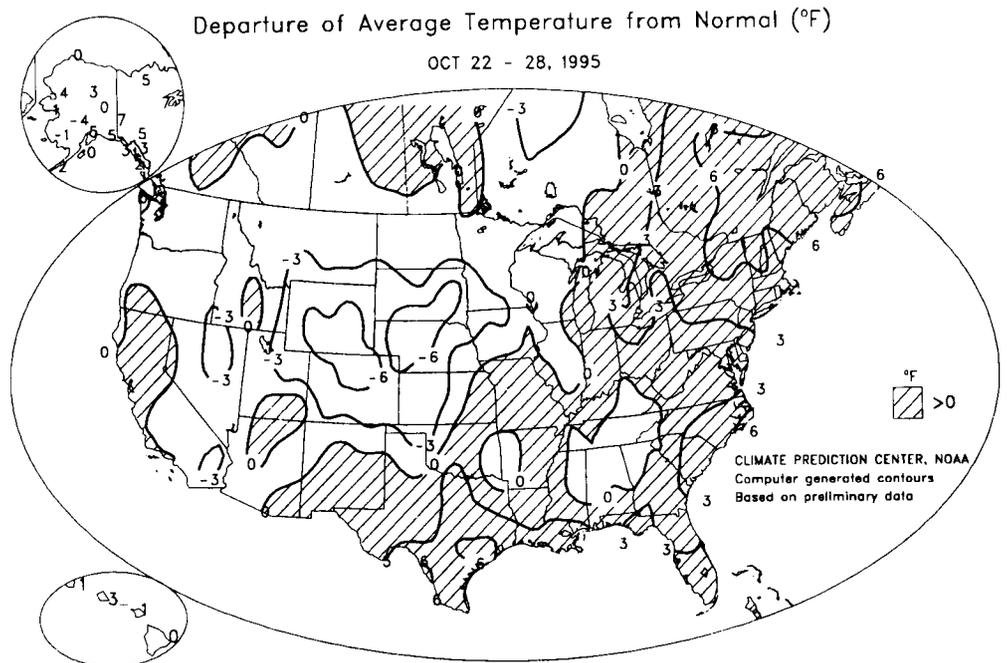
U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Weather Service/Climate Prediction Center
Managing Editor **Douglas Le Comte** (202) 720-7919
Editor **Brad Rippey** (202) 720-1444
Meteorologists: **David Secora, Jeff Savadel, Brian Morris**

Subscriptions **Joyce Houston** (202) 720-7917
fax (202) 720-1455

U.S. DEPARTMENT OF AGRICULTURE
Economic Research Service
E.R.S. Editor **Sharon Lee**
National Agricultural Statistics Service
Agricultural Statistician . . **Greg Preston** (202) 720-7621
State Summaries Editor . . . **Klara Hawkins** (202) 720-8033
World Agricultural Outlook Board
Agricultural Weather Analysts: **Ray Motha** (202) 720-9807
Tom Puterbaugh, Mark Brusberg, Bob Stefanski

(Continued from front cover)
notched 90°F. A day later, snow spread toward the **upper Midwest**, benefiting newly emerged winter wheat but curtailing harvest activities. Totals reached 8.6 inches in **Huron, SD**, 6.2 inches in **Valentine, NE**, and 5.2 inches in **St. Cloud, MN**. After the storm departed, among the dozen daily records were lows of 9°F in **Ely, NV** (on Monday), 14°F in **Valentine** (on Tuesday), and 30°F in **Oklahoma City, OK** (on Tuesday). Meanwhile, east of the storm's cold front, daily-record highs were established on Tuesday in **St. Johnsbury, VT** (73°F) and **Baltimore, MD** (76°F).

Another storm approached the **Pacific Northwest** on Wednesday, resulting in a daily-record wind gust of 55 mph (from the south) in **Astoria, OR**. A day later, the system brought strong downslope (westerly) winds to the **northern Plains**. Toward week's end, the low-pressure system intensified over the **Great Lakes region**, producing showery, windy, and cool conditions from the **Midwest** into the **Northeast**. In contrast, more than a dozen locations in the **Gulf Coast States** tallied daily-record highs, most of which were set on October 27, when maxima reached 93°F in **Corpus Christi, TX**, 88°F in **New Orleans, LA**, and 86°F in **Apalachicola, FL**. Showers and thunderstorms associated with the storm's cold front quelled the brief warm spell and dumped more than 2 inches of rain in **Little Rock, AR** and **Macon, GA**. Heavy rain also developed in the Northeast, where totals topped 2 inches in **Hartford, CT** and **Concord, NH**.



**WEEKLY NEWS BULLETIN
FIRST CLASS**

NOAA/USDA Joint Agricultural
Weather Facility
USDA South Building, Room 5844
Washington, DC 20250

FIRST CLASS MAIL
POSTAGE & FEES PAID
NOAA
PERMIT NO. G-19

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300