

# WEEKLY WEATHER AND CROP BULLETIN

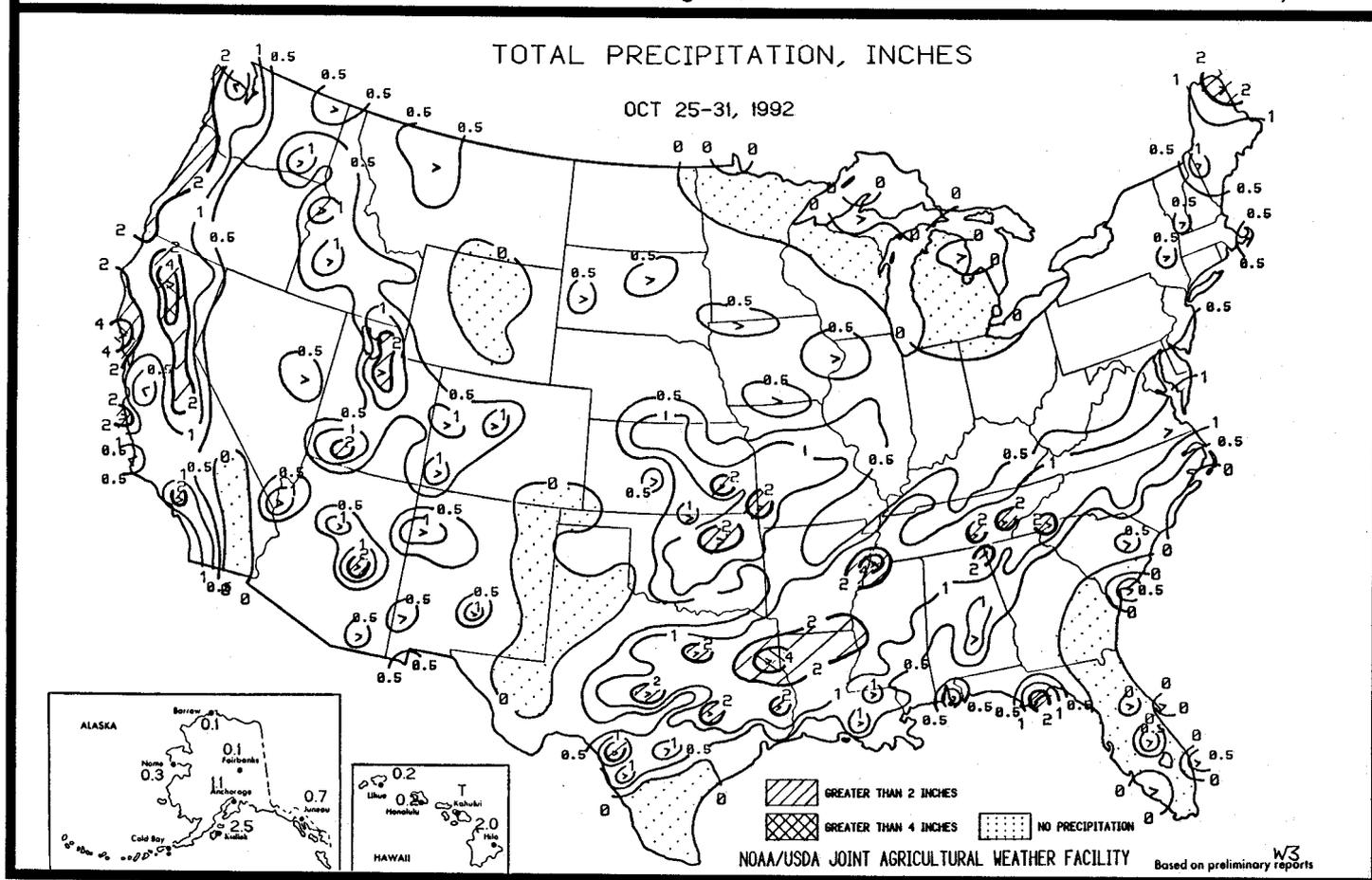
U.S. DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration,  
National Weather Service

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

Volume 79, No. 44

Washington, D.C.

November 3, 1992



## HIGHLIGHTS

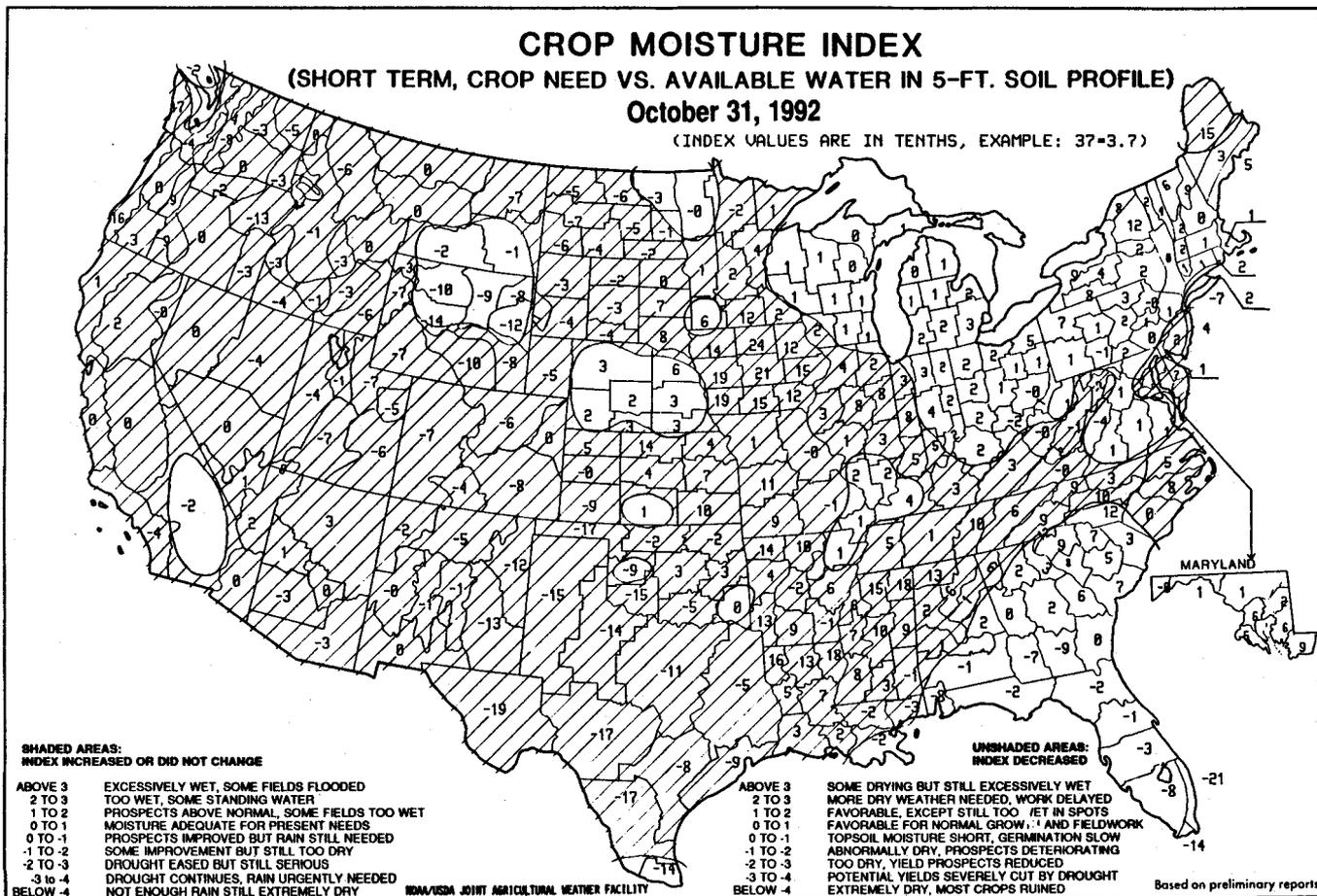
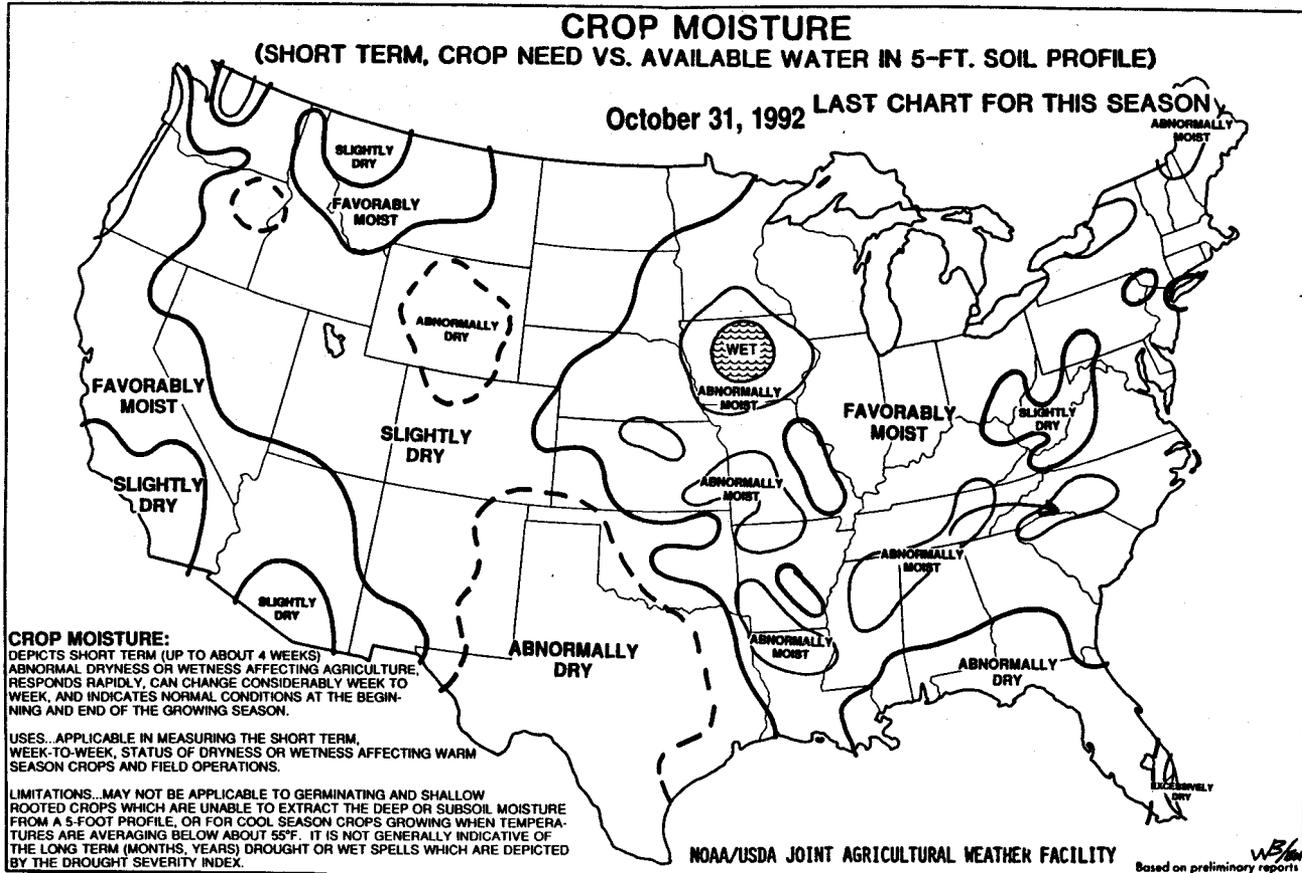
October 25 - 31, 1992

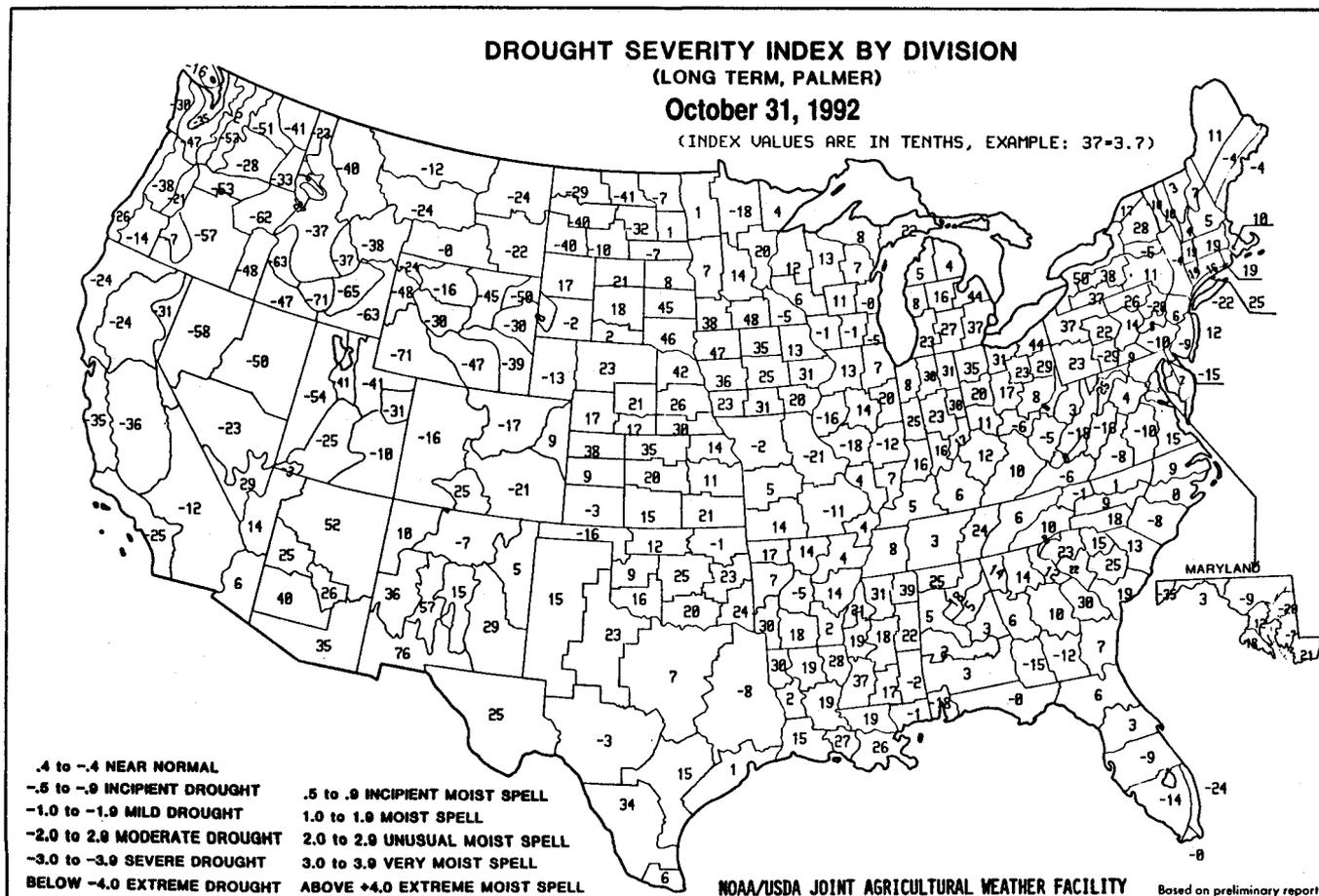
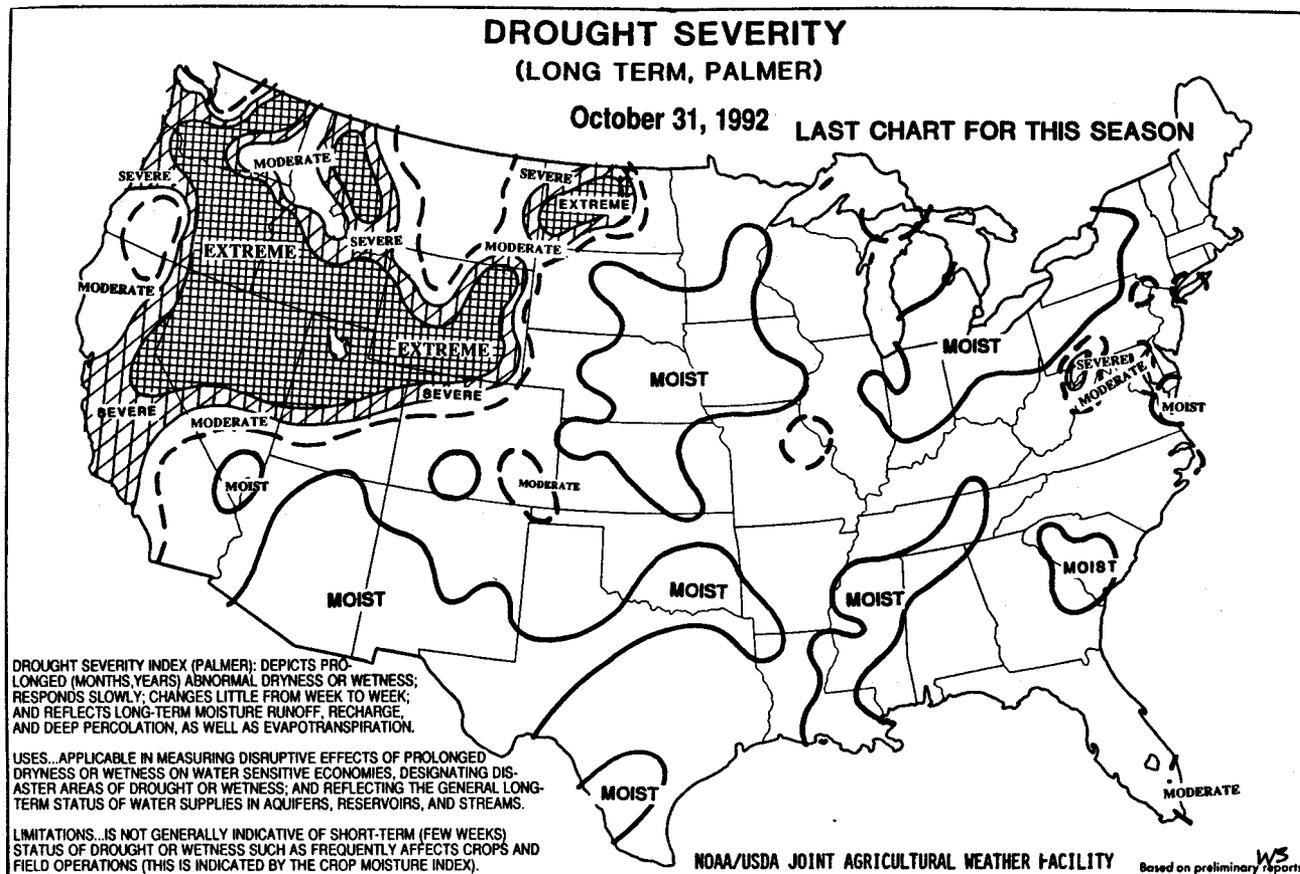
Pacific storms brought widespread precipitation and warm weather to the **Southern and Western States**, including **California**. Cool air remained entrenched across the **Northeast and Alaska**. Early in the week, snow blanketed the **interior Northeast** and **southern Alaska**, while record warmth covered the **South**. **Montpelier, VT**, reported a 1-inch snowfall. In **Alaska**, snowfall ranged from 4 inches in the **Anchorage** area to 20 inches in the **Chugach foothills**. But in **Texas**, highs of 91°F in **Austin** and 94°F in **Waco** were among the 10 daily record highs. At midweek, cloudiness and light showers quickly overspread the Nation in advance of a series of Pacific storms. A day later, a cold front's passage brought 4.60 inches of rain to **Kentfield, CA** (north of San Francisco) and 4.10 inches to **Napa, CA**. **Sierra Nevada** peaks above 7,000 feet received their first significant snowfall of the season. Up to 30 inches accumulated near **Lake Tahoe**. Farther east, heavy rains developed in **central Texas** and spread to the **Middle Atlantic States**. However, little or no rain fell in **northern Texas**, pushing 2-month deficits to nearly 3 inches in **Amarillo**, and stressing rain-fed

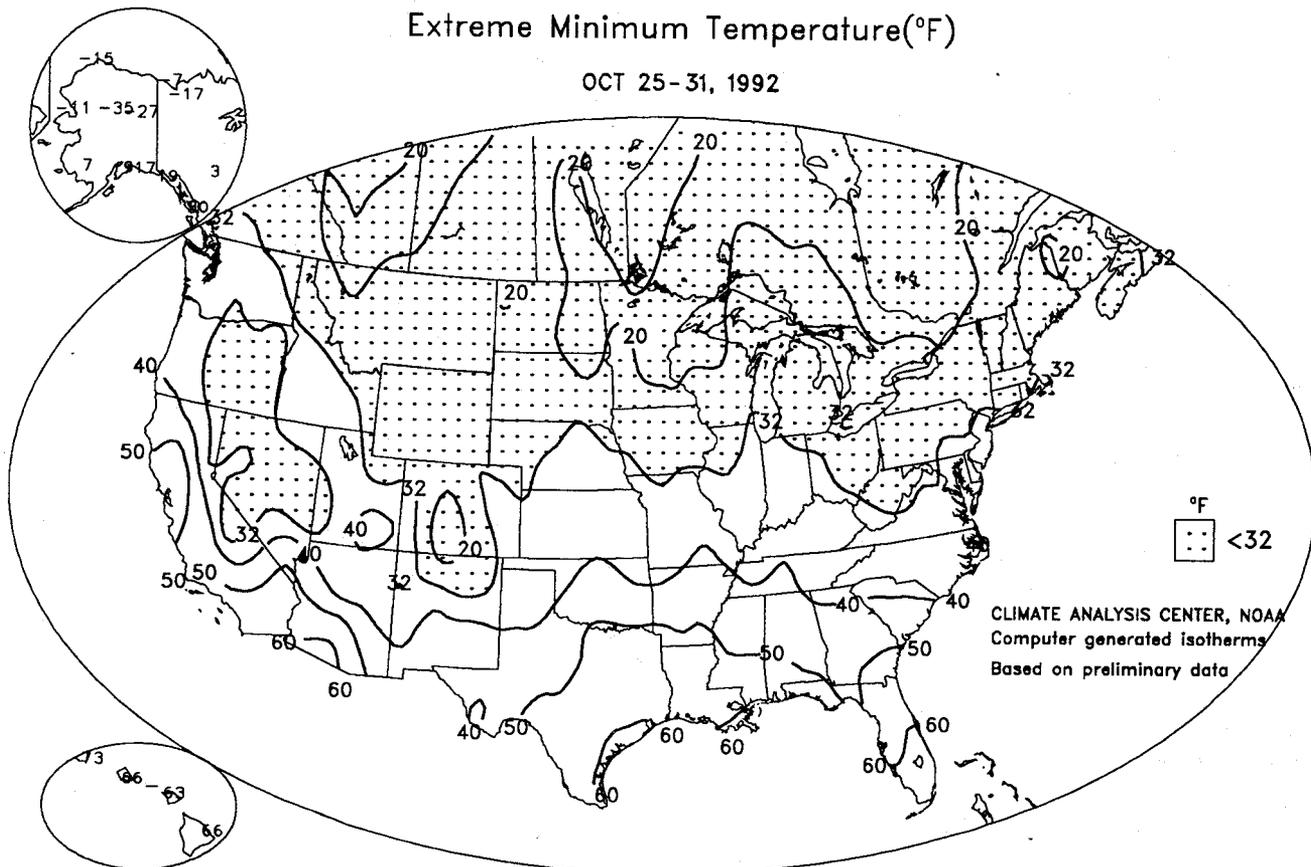
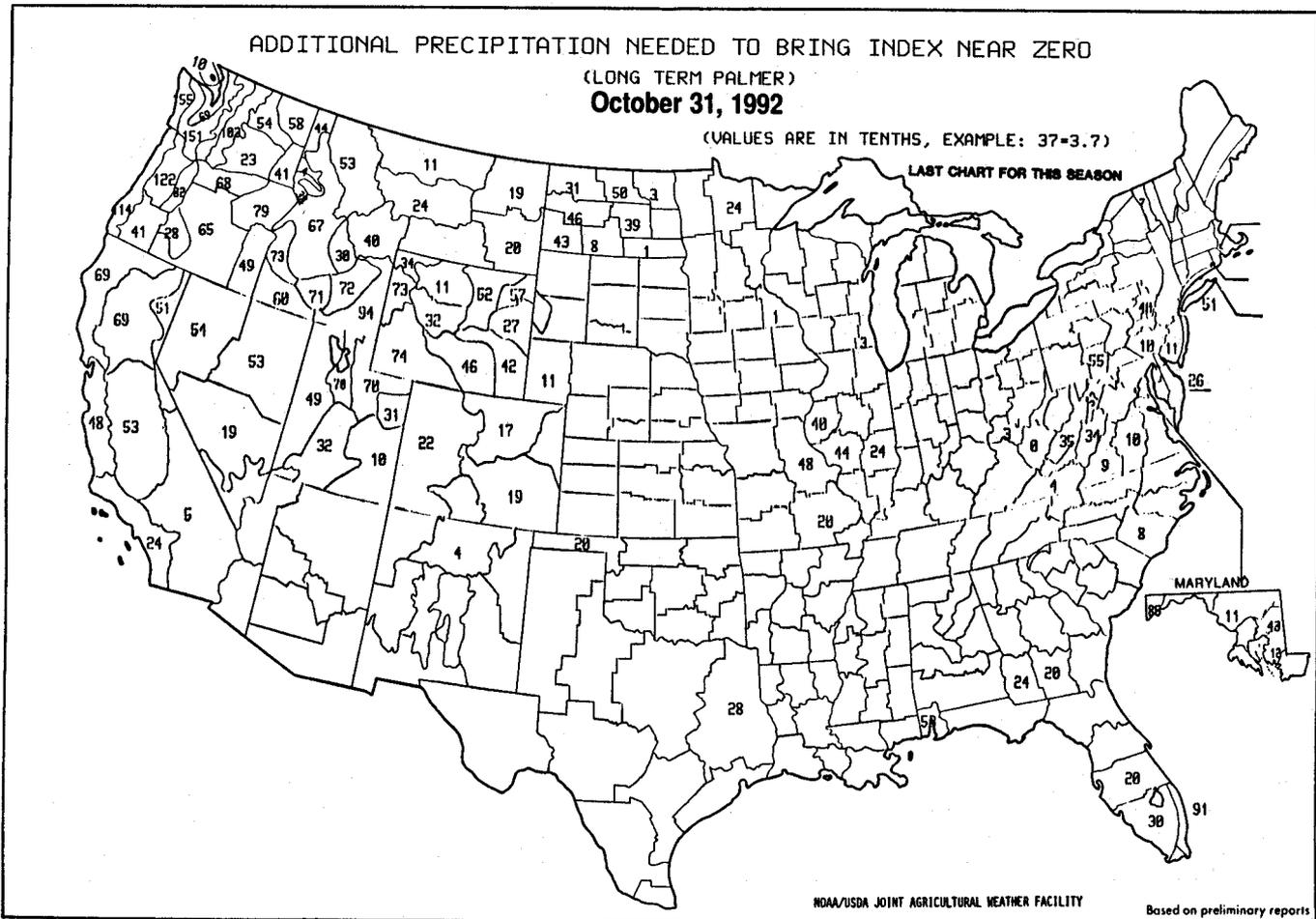
winter wheat. Late in the week, another storm arrived in the **West**, producing rain and mountain snow from **northern California** northward. Meanwhile, a major winter storm developed in the **central Plains**, threatening to delay early-November harvest and fieldwork activities in the **Corn Belt**. By Saturday night, rain fell in the **east-central Plains**, while light snow dusted the **Dakotas**.

### Contents

	Page
Highlights & Total Precipitation Map .....	1
Crop Moisture Maps .....	2
Drought Severity Maps .....	3
Precipitation Needed to End Drought & Extreme Minimum Temperature Map .....	4
National Weather Data for Selected Cities .....	5
Weekly Heating Degree Day Table .....	8
National Agricultural Summary .....	9
Crop Progress and Condition Tables .....	10
State Summaries of Weather and Agriculture ...	12
International Weather and Crop Summary & <b>October Temperature/Precipitation Table</b> ....	18
Subscription and Mailing Permit Information & Temperature Departure Map .....	24







# National Weather Data for Selected Cities

Weather Data for the Week Ending **October 31, 1992**

STATES AND STATIONS	TEMPERATURE °F							PRECIPITATION							RELATIVE HUMIDITY, PERCENT			NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Sept 1	PCT. NORMAL SINCE Sept 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE	MAXIMUM	MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE		.50 INCH OR MORE	
																			.01 INCH OR MORE	.50 INCH OR MORE		
AL BIRMINGHAM	75	51	80	44	63	6	.3	-.3	.3	7.9	114	43.4	95	99	60	0	0	0	1	0		
MOBILE	82	59	86	55	71	7	.4	-.1	.2	4.3	47	52.5	95	99	57	0	0	0	2	1		
MONTGOMERY	81	55	85	45	68	7	1.0	.6	.5	4.4	64	47.9	116	98	47	0	0	0	2	0		
AK ANCHORAGE	36	24	50	9	30	1	1.1	.8	.6	4.9	119	12.6	99	97	66	0	7	3	1	1		
BARROW	10	0	18	-15	5	-3	.1	.0	.1	.7	63	2.3	56	87	79	0	7	2	0	0		
FAIRBANKS	18	-1	38	-27	9	-7	.1	-.1	.1	2.3	124	10.7	119	90	74	0	7	2	0	0		
JUNEAU	44	35	49	27	40	2	.8	-.8	-.1	17.6	125	65.6	152	100	81	0	4	1	1	1		
KODIAK	45	34	49	27	40	2	2.5	1.0	1.3	7.5	57	47.6	96	90	63	0	2	4	2	2		
NOME	22	5	27	-5	14	-9	.3	-.1	.2	3.2	91	10.5	81	89	64	0	7	2	0	0		
AZ PHOENIX	83	64	87	60	73	5	.2	-.1	.2	1.3	23	11.1	199	71	31	0	0	0	1	0		
FRESNOCO	62	43	69	41	53	1	.4	.2	.2	3.1	61	18.5	168	96	47	0	0	0	3	0		
TUCSON	82	57	87	53	70	5	T	-.1	T	1.0	44	13.0	138	77	27	0	0	0	2	0		
YUMA	85	65	89	59	75	4	T	-.1	T	T	2	3.5	174	67	26	0	0	0	0	0		
AR FORT SMITH	74	50	83	42	62	5	.8	.0	.6	7.8	121	37.6	113	96	54	0	0	0	2	1		
LITTLE ROCK	74	57	87	51	65	7	.6	-.2	.4	4.0	57	36.2	90	83	61	0	0	0	3	0		
CA BAKERSFIELD	74	58	82	54	66	3	.9	.8	.9	.9	224	6.6	155	79	49	0	0	0	1	1		
EUREKA	62	53	65	50	58	5	1.2	.3	.6	2.4	68	17.7	68	89	73	0	0	0	3	2		
FRESNO	72	56	80	48	64	4	2.0	1.8	1.5	2.2	391	11.4	152	94	59	0	0	0	3	1		
LOS ANGELES	72	61	75	56	66	2	.2	-.1	.2	.5	128	12.4	140	90	62	0	0	0	3	1		
REDDING	68	53	80	50	60	-1	4.7	4.0	3.9	6.3	203	26.5	93	96	62	0	0	0	4	1		
SACRAMENTO	72	55	79	52	63	4	1.6	1.3	1.0	1.3	117	11.4	96	97	56	0	0	0	2	2		
SAN DIEGO	73	62	78	60	67	2	1	-.1	.1	.2	36	10.2	151	89	59	0	0	0	2	0		
SAN FRANCISCO	68	57	75	54	63	4	1.0	.6	.9	1.1	91	14.5	106	93	66	0	0	0	3	1		
CO DENVER	62	37	74	29	49	3	.5	.3	.4	.5	24	13.6	99	81	39	0	1	4	0	0		
GRAND JUNCTION	60	44	66	37	52	3	1.5	1.3	.9	1.8	115	8.0	121	93	50	0	0	0	5	1		
PUEBLO	61	35	83	29	48	0	.5	.3	.5	1.4	89	10.8	108	85	43	0	1	1	0	0		
CT BRIDGEPORT	55	40	62	33	47	-4	.1	-.7	.1	7.7	118	37.4	111	81	49	0	0	0	2	0		
HARTFORD	53	35	60	29	44	-4	T	-.8	T	4.4	59	33.5	93	84	47	0	3	1	0	0		
DC WASHINGTON	59	46	64	39	53	-2	.5	-.2	.4	5.5	91	30.2	92	83	61	0	0	0	2	0		
FL APALACHICOLA	80	60	82	56	70	3	2.3	1.8	1.5	13.5	113	53.8	111	—	—	0	0	0	2	2		
DAYTONA BEACH	82	60	85	55	71	1	T	-.8	T	11.8	104	43.8	100	99	52	0	0	0	0	0		
JACKSONVILLE	83	57	84	53	70	4	.0	-.6	.0	15.7	153	60.6	128	98	49	0	0	0	0	0		
KEY WEST	83	73	86	68	78	0	.0	-1.0	.0	9.2	82	33.2	97	86	64	0	0	0	0	0		
MIAMI	86	70	88	66	78	2	T	-1.2	T	8.5	56	42.0	79	92	50	0	0	0	0	0		
ORLANDO	84	63	85	61	74	2	.0	-.5	.0	12.3	131	49.4	108	98	46	0	0	0	0	0		
TALLAHASSEE	83	54	86	47	69	5	.4	-.2	.3	7.1	75	54.5	96	98	45	0	0	0	2	0		
TAMPA	82	61	84	54	71	0	.0	-.4	.0	5.2	60	31.6	74	99	55	0	0	0	0	0		
WEST PALM BEACH	85	65	89	58	75	0	.5	-.9	.4	9.8	58	46.7	87	96	49	0	0	0	2	0		
GA ATLANTA	75	56	79	46	65	8	.1	-.5	.1	11.4	201	43.7	107	93	53	0	0	0	0	0		
AUGUSTA	79	49	83	43	64	5	.1	-.3	.1	8.2	149	42.5	113	99	50	0	0	0	1	0		
MACON	79	53	81	41	66	5	.3	-.1	.3	5.7	108	44.6	116	95	47	0	0	0	0	0		
SAVANNAH	80	58	83	51	69	7	T	-.4	T	12.0	161	51.8	115	94	47	0	0	0	1	0		
HI HILO	84	69	87	66	76	2	2.0	-.8	.8	21.0	126	77.8	78	94	60	0	0	0	1	0		
HONOLULU	85	73	87	67	79	1	.2	-.4	.2	4.7	189	11.4	69	84	58	0	0	0	4	1		
KAHULUI	86	70	88	63	78	1	T	-.3	T	2.6	232	10.4	78	86	53	0	0	0	0	0		
LIHUE	82	74	83	73	78	1	.2	-1.0	.1	6.2	92	22.9	70	85	66	0	0	0	0	0		
ID BOISE	61	41	73	38	51	4	.7	.5	.3	1.2	94	5.4	61	74	39	0	0	0	0	0		
LEWISTON	58	39	67	35	49	2	.3	-.1	.1	1.5	84	9.0	87	85	52	0	0	0	4	0		
POCATELLO	61	41	69	35	51	8	.4	-.2	.3	1.1	69	5.8	66	83	48	0	0	0	2	0		
IL CHICAGO	55	37	64	32	46	-2	.1	-.3	.1	6.1	101	22.2	75	89	51	0	1	1	0	0		
MOLINE	59	35	74	29	47	-1	.7	-.2	.7	6.3	98	29.2	88	91	47	0	1	1	1	0		
PEORIA	59	39	69	32	49	1	.3	-.2	.3	7.1	116	24.0	78	92	50	0	1	2	0	0		
QUINCY	58	42	75	35	50	0	.5	-.2	.2	3.2	43	20.7	61	71	48	0	0	0	3	0		
ROCKFORD	56	33	64	27	44	-2	.2	-.4	.2	6.1	93	23.3	72	92	48	0	2	1	0	0		
SPRINGFIELD	61	41	72	30	51	1	.9	-.3	.7	3.0	52	21.0	70	95	55	0	1	3	1	1		
IN EVANSVILLE	66	45	77	36	55	3	T	-.6	T	4.0	78	29.8	86	86	49	0	0	0	1	0		
FORT WAYNE	56	37	63	32	47	-1	T	-.6	T	8.5	166	33.9	115	92	55	0	1	1	0	0		
INDIANAPOLIS	59	41	71	33	50	1	.2	-.4	.2	6.2	119	34.4	105	92	56	0	0	0	1	0		
SOUTH BEND	57	36	65	31	46	0	.0	-.7	.0	10.5	164	29.1	91	91	50	0	1	0	0	0		
IA DES MOINES	59	37	79	29	48	0	.2	-.2	.2	5.5	105	26.3	94	84	39	0	1	1	0	0		
SIOUX CITY	57	36	80	28	47	1	.2	-.1	.2	6.5	154	28.2	119	87	47	0	1	1	0	0		
WATERLOO	59	32	81	25	45	0	.2	-.2	.2	3.0	51	23.7	79	96	46	0	4	1	0	0		
KS CONCORDIA	56	43	76	38	49	-1	1.0	-.7	.4	7.8	161	37.9	149	88	58	0	0	0	5	0		
DODGE CITY	58	40	81	37	49	-2	.1	-.1	.1	1.2	39	19.2	100	91	60	0	0	0	1	0		
GOODLAND	55	39	77	32	47	1	.3	-.1	.2	4.7	206	25.0	166	86	56	0	1	2	0	0		
TOPEKA	60	40	79	32	50	-1	.6	.0	.2	5.4	85	28.7	94	99	58	0	1	4	0	0		
WICHITA	63	44	77	38	53	0	.9	.4	.9	5.7	97	29.0	110	93	59	0	0	0	2	1		
KY BOWLING GREEN	67	46	77	37	57	4	.8	-.1	.5	6.1	102	32.0	79	97	55	0	0	0	3	1		
LEXINGTON	64	44	72	36	54	2	.1	-.4	.1	4.1	74	43.8	113	90	51	0	0	0	2	0		
LOUISVILLE	66	46	76	41	56	4	.1	-.5	.1	4.5	75	34.4	95	88	48	0	0	0	2	0		
LA BATON ROUGE	83	60	86	55	72	8	.5	-.1	.4	2.7	38	57.5	123	100	57	0	0	0	2	0		
LAKE CHARLES	84	61	85	57	72	7	.3	-.5	.2	5.8	62	51.4	115	100	61	0	0	0	2	0		
NEW ORLEANS	82	62	85	57	72	7	.4	-.2	.4	7.2	85	61.1	122	99	60	0	0	0	2	0		
SHREVEPORT	81	59	87	52	70	8	3.4	2.7	2.8	9.3	156	40.9	113	96	58	0	0	0	2	2		

Based on 1951-80 normals.

Weather Data for the Week Ending October 31, 1992

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT	NUMBER OF DAYS							
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Sept 1	PCT. NORMAL SINCE Sept 1	TOTAL, IN., SINCE Jan 1		PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.
													.01 INCH OR MORE						.50 INCH OR MORE	.01 INCH OR MORE	.50 INCH OR MORE
ME CARIBOU	41	30	47	19	36	-3	2.2	1.5	1.2	5.0	76	33.2	110	89	62	0	4	3	2		
PORTLAND	50	32	54	26	41	-3	.6	.4	.3	5.6	79	32.0	94	92	51	0	4	4	0		
MD BALTIMORE	59	43	65	34	51	-1	.5	.2	.4	8.7	133	30.9	88	93	65	0	0	2	0		
SALISBURY	62	42	70	29	52	-1	.8	.0	.8	8.4	109	37.2	96	98	64	0	1	1	0		
MA BOSTON	55	40	60	35	48	-3	.2	.6	.2	5.1	75	29.3	84	80	50	0	0	3	0		
CHATHAM	55	42	66	38	48	-2	.6	.3	.6	3.3	44	30.2	81	86	63	0	0	1	1		
MI ALPENA	48	28	54	20	38	-5	.4	.5	.4	4.9	95	21.2	86	96	53	0	6	0	0		
DETROIT	55	37	62	32	46	-1	.0	.5	.0	7.6	175	30.6	118	88	50	0	2	0	0		
FLINT	53	32	60	26	43	-3	.0	.5	.0	5.0	112	30.8	125	95	52	0	4	0	0		
GRAND RAPIDS	53	33	60	29	43	-3	.0	.6	.0	7.9	135	33.2	118	95	52	0	4	0	0		
HOUGHTON LAKE	48	30	56	24	39	-3	.0	.6	.0	6.4	126	22.7	95	94	52	0	5	1	0		
LANSING	53	29	61	25	41	-4	.0	.4	.0	5.4	112	28.8	116	97	53	0	6	0	0		
MARQUETTE	43	24	51	19	34	-5	.1	.6	.1	5.3	74	24.5	77	92	59	0	7	1	0		
MUSKEGON	53	32	60	28	43	-4	.0	.6	.0	6.0	106	20.8	81	94	52	0	5	0	0		
SAULT ST. MARIE	44	32	51	24	38	-2	.1	.6	.1	9.0	134	27.3	99	83	55	0	4	1	0		
MN ALEXANDRIA	50	32	65	24	41	1	.1	.3	.1	1.5	35	16.8	74	84	42	0	3	1	0		
DULUTH	48	23	68	17	36	-3	.0	.4	.0	5.0	93	25.6	97	92	43	0	6	0	0		
INT'L FALLS	46	25	64	18	35	-3	.0	.3	.0	2.5	50	20.6	94	92	50	0	6	0	0		
MINNEAPOLIS	54	32	79	22	43	0	.0	.3	.0	7.3	170	26.7	111	87	43	0	4	1	0		
ROCHESTER	52	29	76	20	41	-2	.1	.4	.1	6.2	109	21.8	84	91	47	0	5	1	0		
MS GREENWOOD	79	59	87	49	69	10	1.4	.7	.9	4.4	72	35.9	83	95	52	0	0	3	1		
JACKSON	80	57	87	51	68	8	.9	.3	.7	5.4	91	35.9	84	99	59	0	0	2	1		
MERIDIAN	79	56	84	50	68	9	.9	.3	.9	3.0	48	48.8	110	98	54	0	0	1	1		
MO CAFE GIRARDEAU	66	43	75	33	55	-1	.2	.4	.1	8.7	142	31.7	85	91	50	0	0	2	0		
COLUMBIA	60	42	77	36	51	-1	.6	.0	.4	5.3	74	23.6	73	94	64	0	0	4	0		
KANSAS CITY	60	42	77	33	51	-2	.4	.2	.2	7.1	94	41.8	127	90	59	0	0	5	0		
SAINT LOUIS	63	47	74	42	55	3	.6	.1	.3	4.2	84	23.5	81	83	49	0	0	3	0		
SPRINGFIELD	64	45	78	33	54	2	.7	.0	.6	8.2	110	34.7	102	92	56	0	0	2	1		
MT BILLINGS	56	32	71	26	44	1	.0	.2	.0	1.1	44	10.7	81	75	36	0	4	1	0		
GLASGOW	49	30	63	22	40	0	.2	.1	.2	1.1	78	8.3	81	87	50	0	5	2	0		
GREAT FALLS	52	33	66	26	42	0	.9	.7	.7	2.9	158	13.9	103	87	46	0	4	3	1		
HAVRE	52	29	66	19	41	0	.3	.2	.2	2.1	130	8.3	78	90	52	0	4	2	0		
HELENA	53	31	68	24	42	2	.6	.5	.5	2.0	132	8.6	84	92	46	0	4	2	0		
KALISPELL	55	32	62	20	43	6	.3	.1	.2	1.7	84	13.6	106	99	49	0	3	2	0		
MILES CITY	54	34	66	30	44	2	.1	.1	.1	2.5	124	13.7	106	74	40	0	2	1	0		
MISSOULA	55	32	65	22	44	5	.3	.1	.1	.8	43	9.4	85	94	47	0	4	3	0		
NE GRAND ISLAND	57	40	78	36	48	2	.4	.2	.3	4.4	125	29.7	137	84	52	0	0	2	0		
LINCOLN	60	40	81	32	50	2	.2	.1	.2	4.3	93	23.4	92	88	46	0	1	2	0		
NORFOLK	58	38	81	34	48	3	.1	.1	.1	6.0	176	26.9	121	78	45	0	0	1	0		
NORTH PLATTE	55	36	75	33	45	1	.3	.2	.3	1.2	46	22.5	123	92	55	0	0	3	0		
OMAHA	58	42	79	36	50	2	.2	.2	.2	7.5	134	31.8	113	75	50	0	0	1	0		
SCOTTSBLUFF	57	35	71	28	46	2	.5	.4	.3	1.3	72	14.2	104	93	49	0	1	3	0		
VALENTINE	55	34	73	24	45	2	.2	.1	.2	1.8	80	17.7	108	77	40	0	2	2	0		
NV BLY	56	36	66	27	46	5	1.0	.9	.4	1.5	121	8.6	115	87	52	0	1	6	0		
LAS VEGAS	71	55	76	49	63	2	.1	.1	.1	1.2	226	8.2	248	81	44	0	0	2	0		
RENO	63	40	74	34	52	6	.3	.2	.2	.5	74	3.4	62	86	41	0	0	3	0		
WINNEMUCCA	62	38	73	31	50	6	.7	.5	.3	.6	63	2.5	42	77	43	0	1	4	0		
NH CONCORD	50	30	55	21	40	-4	.2	.5	.2	4.9	79	24.0	81	89	47	0	4	2	0		
NJ ATLANTIC CITY	58	36	69	30	47	-4	.6	.1	.5	6.3	107	29.9	87	94	54	0	4	2	0		
NM ALBUQUERQUE	66	45	72	40	56	4	.6	.4	.3	1.5	89	9.8	139	88	37	0	0	4	0		
CLOVIS	73	43	78	38	58	4	.0	.3	.0	1.2	32	19.3	120	88	33	0	0	0	0		
ROSWELL	76	49	80	45	62	8	.0	.3	.0	.6	22	12.5	126	88	35	0	0	2	0		
NY ALBANY	49	33	54	28	41	-5	.2	.4	.2	5.2	85	24.7	84	88	55	0	3	2	0		
BINGHAMTON	44	30	52	25	37	-8	.3	.4	.2	7.0	110	34.3	111	91	62	0	6	3	0		
BUFFALO	50	35	56	30	42	-5	.0	.7	.0	8.4	134	38.9	128	87	52	0	3	2	0		
NEW YORK	56	44	63	39	50	-3	.1	.7	.1	3.6	54	26.7	76	76	49	0	0	2	0		
ROCHESTER	47	31	54	28	39	-8	.1	.5	.0	4.8	92	30.4	117	95	61	0	6	2	0		
SYRACUSE	48	31	54	24	39	-8	.3	.4	.2	7.2	113	37.3	116	89	56	0	4	4	0		
NC ASHEVILLE	68	44	72	32	56	5	1.3	.6	1.2	7.3	105	43.0	115	95	47	0	1	3	1		
CHARLOTTE	74	51	77	41	62	6	.5	.1	.4	14.4	230	45.1	123	91	45	0	0	2	0		
GREENSBORO	69	45	76	32	57	3	1.4	.8	.9	6.7	99	35.5	98	92	47	0	1	3	1		
HATTERAS	72	53	79	43	63	1	.2	.8	.2	10.2	96	51.6	111	92	54	0	0	2	0		
NEW BERN	76	50	83	37	63	3	.0	.7	.0	3.6	40	41.8	90	97	47	0	0	0	0		
RALEIGH	70	48	77	34	59	4	1.3	.7	.6	6.0	101	35.7	100	98	55	0	0	3	1		
WILMINGTON	77	51	82	37	64	4	.0	.6	.0	5.3	61	54.6	117	94	45	0	0	0	0		
ND BISMARCK	50	27	62	18	38	-1	.2	.1	.1	1.7	78	11.4	81	92	46	0	4	2	0		
FARGO	53	31	65	21	42	2	.1	.1	.1	2.8	90	18.2	101	84	43	0	4	2	0		
GRAND FORKS	52	30	65	21	41	3	.0	.2	.0	1.5	48	15.4	91	86	41	0	4	0	0		
WILLISTON	49	27	64	17	38	-1	.4	.2	.3	1.3	62	11.3	90	90	47	0	5	2	0		
OH AKRON-CANTON	54	34	65	31	44	-3	.0	.5	.0	5.8	112	37.8	124	95	56	0	4	1	0		
CINCINNATI	62	42	72	37	52	1	.1	.6	.1	4.4	80	31.8	94	92	51	0	0	1	0		
CLEVELAND	54	36	61	31	45	-4	.0	.5	.0	5.5	104	37.7	127	89	53	0	3	1	0		
COLUMBUS	59	38	71	31	49	0	.0	.4	.0	3.5	76	34.3	109	88	48	0	1	1	0		
DAYTON	59	40	72	34	49	0	.1	.4	.1	3.8	87	34.0	116	90	54	0	0	1	0		

Based on 1951-80 normals.

Weather Data for the Week Ending October 31, 1992

STATES  AND  STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS							
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Sept 1	PCT. NORMAL SINCE Sept 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE	MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																			.01 INCH OR MORE	.50 INCH OR MORE		
TOLEDO	55	36	62	31	45	-1	T	-1.5	T	5.8	130	29.0	110	91	55	0	2	0	0	0		
YOUNGSTOWN	53	33	61	28	43	-3	T	-1.6	T	7.1	124	35.0	111	97	57	0	3	1	1	0		
OK OKLAHOMA CITY	72	49	83	44	61	.4	1.1	.6	.7	4.0	66	32.2	115	92	52	0	0	2	1	1		
TULSA	69	46	79	40	58	1	3.9	3.2	1.8	6.2	80	33.5	98	94	54	0	0	3	3	2		
OR ASTORIA	57	41	61	34	49	-1	2.1	.3	.9	6.8	72	32.6	68	96	70	0	0	4	4	3		
BURNS	57	31	70	24	44	1	.7	.5	-.1	1.5	115	7.5	101	81	46	0	4	-	-	-		
MEDFORD	64	45	75	40	55	5	1.0	.5	.5	2.4	102	9.9	75	97	57	0	0	4	4	0		
PENDLETON	58	41	65	39	50	2	.8	.5	.5	1.8	117	6.8	77	85	50	0	0	4	4	2		
PORTLAND	59	47	65	40	53	3	1.8	.9	.9	4.0	86	19.5	76	96	66	0	0	4	4	2		
SALEM	60	47	64	36	54	5	2.3	1.3	.9	4.2	86	20.7	76	91	66	0	0	4	4	3		
PA ALLENTOWN	54	35	60	30	45	-4	-1	-.7	-.1	5.3	75	30.4	83	87	53	0	3	2	0	0		
ERIE	52	39	58	35	45	-3	T	-.8	T	10.8	143	35.4	108	90	56	0	0	1	0	0		
HARRISBURG	55	40	62	35	47	-3	2	-.4	-.1	7.4	117	26.0	80	85	54	0	0	1	-	-		
PHILADELPHIA	56	42	60	34	49	-3	2	-.4	.1	4.3	69	22.5	65	81	47	0	0	2	2	0		
PITTSBURGH	57	37	65	31	47	-1	1	-.5	.0	4.4	84	30.5	97	92	51	0	2	2	0	0		
SCRANTON	52	36	60	30	44	-3	1	-.6	.1	4.6	75	23.1	79	89	53	0	2	2	0	0		
RI PROVIDENCE	56	39	63	31	47	-2	3	-.6	.3	6.6	91	35.5	98	86	50	0	1	2	0	0		
SC CHARLESTON	78	56	81	46	67	6	T	-.5	T	7.9	101	46.7	101	95	44	0	0	0	0	0		
COLUMBIA	78	49	82	39	64	5	3	-.2	.2	8.8	130	42.7	99	97	46	0	0	2	0	0		
FLORENCE	77	49	81	38	63	3	T	-.4	T	8.3	129	40.8	105	96	41	0	0	2	0	0		
GREENVILLE	72	47	74	40	60	3	4	-.3	.2	10.6	131	47.6	109	94	52	0	0	3	0	0		
SD ABERDEEN	53	30	68	20	41	0	7	.6	.7	2.5	99	15.4	93	87	44	0	3	2	1	0		
HURON	55	30	72	19	43	0	4	.1	.4	3.0	109	21.2	123	81	40	0	3	1	1	1		
RAPID CITY	54	37	67	30	45	2	5	.3	.4	1.1	61	12.6	83	75	46	0	1	2	0	0		
SIOUX FALLS	55	34	75	23	44	1	5	.3	.5	5.8	134	30.6	137	83	46	0	4	1	1	1		
TN CHATTANOOGA	70	48	73	38	59	4	1.6	.9	1.3	9.2	127	44.4	103	99	62	0	0	3	1	1		
KNOXVILLE	65	47	71	36	56	2	1.3	.7	.7	4.8	85	33.2	86	98	66	0	0	3	1	1		
MEMPHIS	73	53	83	46	63	5	4.0	3.4	1.6	7.6	128	39.2	92	90	51	0	0	4	3	3		
NASHVILLE	69	51	77	41	60	5	5	-.1	.4	5.1	81	32.5	81	93	55	0	0	4	0	0		
TX ABILENE	81	55	88	47	68	7	1.2	.8	.7	3.0	56	24.3	115	85	40	0	0	3	1	1		
AMARILLO	68	41	81	34	55	1	1	-.2	.1	.5	15	19.3	108	95	46	0	0	1	0	0		
AUSTIN	87	62	91	59	74	9	9	.2	.9	3.4	48	39.0	144	88	47	1	0	1	1	1		
BAUMONT	85	62	88	56	74	8	1.0	.2	1.0	5.0	56	51.8	113	100	60	0	0	3	1	1		
BROWNSVILLE	87	68	90	58	77	5	T	-.6	T	4.5	51	25.4	112	95	55	1	0	0	0	0		
CORPUS CHRISTI	88	65	90	58	77	7	T	-.4	T	5.0	53	35.7	126	97	49	1	0	1	0	0		
DEL RIO	88	61	92	57	74	8	8	.4	.4	1.2	24	19.4	122	73	36	2	0	2	0	0		
EL PASO	76	53	82	47	64	6	1	.0	.1	.4	20	9.8	141	81	32	0	0	2	0	0		
FORT WORTH	83	60	91	55	71	9	9	.3	.9	6.3	98	34.4	126	90	48	1	0	4	1	1		
GALVESTON	82	71	83	67	77	8	3	-.2	.3	5.3	61	41.7	123	92	67	0	0	2	0	0		
HOUSTON	87	64	89	57	76	10	2	-.6	.2	2.1	23	42.9	110	97	48	0	0	2	0	0		
LUBBOCK	77	46	83	40	61	6	T	-.3	T	.7	18	19.6	119	90	33	0	0	0	0	0		
MIDLAND	82	50	85	44	66	7	T	-.2	T	.2	6	20.1	161	82	31	0	0	1	0	0		
SAN ANGELO	87	53	91	49	70	8	1.3	1.0	1.1	1.6	32	19.3	118	84	30	2	0	2	1	1		
SAN ANTONIO	87	61	89	54	74	9	9	.3	.9	2.0	30	40.8	162	87	46	0	0	1	1	1		
VICTORIA	87	67	90	61	77	9	T	-.5	T	4.8	50	45.4	140	97	53	1	0	0	0	0		
WACO	87	60	94	51	73	10	1.2	.6	1.2	3.7	60	31.3	117	90	47	2	0	2	1	1		
WICHITA FALLS	79	52	91	49	65	6	2	-.3	.1	1.9	32	22.3	93	92	43	1	0	2	0	0		
UT CEDAR CITY	58	39	67	34	49	2	1.3	1.1	.9	1.8	108	10.3	118	96	57	0	0	5	1	1		
SALT LAKE CITY	60	45	68	38	53	5	9	.6	.4	1.5	76	8.6	68	93	54	0	0	5	0	0		
VT BURLINGTON	45	35	50	29	40	-3	1	-.6	.0	7.7	129	26.2	93	89	53	0	2	3	0	0		
VA NORFOLK	64	51	67	39	57	0	1.6	.9	.9	4.9	64	39.9	102	90	66	0	0	3	2	0		
RICHMOND	64	45	71	32	54	0	8	.0	.4	4.3	60	36.3	98	94	61	0	1	3	0	0		
ROANOKE	67	46	74	40	57	4	5	-.3	.2	4.0	60	34.7	104	86	46	0	0	2	0	0		
WA QUILLAYUTE	54	41	57	34	48	0	3.3	.7	1.0	16.5	100	68.7	91	100	77	0	0	4	4	4		
SEATTLE-TACOMA	56	46	59	43	51	2	1.1	.1	.5	3.6	66	23.2	88	95	63	0	0	4	0	0		
SPOKANE	53	35	62	29	44	2	5	.1	.3	1.2	66	9.4	78	87	54	0	2	4	0	0		
YAKIMA	57	35	70	30	46	1	5	.4	.2	1.0	125	4.9	89	93	56	0	0	4	0	0		
WV BECKLEY	61	43	67	35	52	5	5	-.1	-.4	3.1	49	32.1	89	91	54	0	0	3	0	0		
CHARLESTON	62	43	73	32	52	1	2	-.4	-.2	2.3	43	33.4	93	96	54	0	0	2	0	0		
HUNTINGTON	62	44	73	35	53	1	2	-.4	-.4	2.3	43	31.5	90	96	55	0	0	2	0	0		
PARKERSBURG	62	39	71	28	50	0	2	-.5	.1	3.0	57	29.3	90	96	49	0	1	1	0	0		
WI GREEN BAY	51	31	59	24	41	-2	1	-.4	-.4	6.5	125	22.8	92	94	55	0	5	0	0	0		
LACROSSE	53	32	71	23	43	-2	1	-.3	-.1	7.5	137	26.7	98	92	54	0	3	-	-	-		
MADISON	55	32	64	27	44	-1	T	-.4	T	7.0	134	24.9	91	85	47	0	5	1	0	0		
MILWAUKEE	54	38	62	36	46	0	T	-.5	T	5.6	110	26.1	98	86	51	0	0	1	0	0		
WAUSAU	50	29	57	19	39	-2	T	-.4	T	10.6	173	28.5	100	96	51	0	5	1	0	0		
WY CASPER	59	35	70	28	47	6	T	-.2	T	.5	32	7.6	76	75	35	0	2	2	0	0		
CHEYENNE	54	33	66	30	44	1	2	-.1	.1	.5	27	10.8	87	84	46	0	4	5	0	0		
LANDER	59	37	67	32	48	7	0	-.2	.0	.5	24	10.7	92	67	31	0	1	0	0	0		
SHERIDAN	57	32	73	28	45	4	0	-.2	.0	1.3	57	12.5	93	81	39	0	5	0	0	0		

Based on 1951-80 normals.

HEATING DEGREE DAYS (Base 65° F)
October 25 - 31, 1992

(Cumulative totals and departures from normal are for the period July 1 - October 31, 1992)

Table with 12 columns: STATES AND STATIONS, WEEKLY TOTAL, WEEKLY DEPARTURE, CUMULATIVE TOTAL, CUMULATIVE DEPARTURE, CUMULATIVE DEP fm 91-92, and three additional columns for the same metrics. Rows list various states and stations such as AL BIRMINGHAM, AK ANCHORAGE, AZ FLAGSTAFF, etc.

Based on 1951-80 normals.

## National Agricultural Summary

October 26 - November 1, 1992

**HIGHLIGHTS:** Dry conditions in the first half of the week allowed fall harvest and fieldwork to advance. The second half of the period saw precipitation across the Great Plains, and in central and southeastern portions of the nation, hindering fieldwork and delaying harvest. Another system brought welcomed rains along the Pacific coast at week's end. A major weather system dropped snow in the upper Mississippi Valley at the end of the week, further delaying fieldwork and harvest there.

**SMALL GRAINS:** Winter wheat seedings reached 90 percent (%) complete in the 19 major producing States, compared with 90% last year and 91% average. Winter wheat emergence was at 74%, compared to 74% last year and 79% average. Rain in the major producing areas helped the crop to be rated mostly good to excellent. Seeding of oats, barley, and rye continued along the South Atlantic Coast. Oats and rye plantings in this area are about half completed. Barley planting in this region was about two-thirds finished.

**CORN:** Corn harvest advanced but remained behind last year's pace. Although good progress was made across the Corn Belt, high moisture content continued to hinder harvest in the upper Midwest States. Moisture content in the low-to-mid 20's was reported in Minnesota and Iowa. Low test weights were reported in South Dakota. Harvest was 44% complete in the 17 major producing States, compared with 92% last year and 85% average.

**SOYBEANS:** Soybean harvest continued with 84% of the acreage harvested in the 19 major States. This progress was 2 percentage points behind last year and equal to the 5-year average. Harvest was nearly completed in the upper and middle Mississippi Valleys, the Ohio Valley, and the northern and central Great Plains.

**COTTON:** Harvest advanced rapidly in Alabama, California, and Missouri. Nationally, the harvest was slightly behind last year's pace and ahead of the average. Fifty-five percent of the crop was harvested, compared to 57% last year and 54% average. Cotton boll openings were reported on 92% of the acreage, compared to 90% last year and 92% average.

**SORGHUM:** Good harvest progress was made in the major sorghum-producing areas. Sorghum acreage harvested doubled in Kansas and Nebraska from last week. High moisture content slowed harvest in the High Plains of Texas. Nationally, harvest was 61% completed, compared to 91% last year and 81% average.

**OTHER FIELD CROPS:** Peanut harvest was virtually completed in the Southeast, and advanced in Texas and Oklahoma. Sugarbeet harvest was nearly completed in Idaho, Wyoming, and Michigan. Sugarcane planting continued active

in Florida and completed in Louisiana. Harvest advanced in Louisiana and Florida. Potato harvest in the far Northwest was finished except for Washington, which was near 90% completed. Winter potato planting was completed in the Perris-Hemet area of California. Sunflower harvest was 76% completed, compared to 98% average. Rain and snow halted harvest in North Dakota. Christmas tree harvest was underway in Washington.

**FRUIT AND NUTS:** Lemon and grapefruit harvest continued active in west and central Arizona. Orange harvest was also active in the central region. Grapefruit harvest had started in Texas. Harvests of naval oranges, lemons, desert grapefruit, and tangerines were slowed by rains in California. Harvest of citrus fruits increased in Florida, with good color and demand reported. Cranberry harvest was winding down in the Northwest and well advanced in New Jersey. Pecan harvest advanced in the Southeast and was well underway in Texas. The olive harvest continued and dates were packed in California. Late-season table grapes were harvested in California, while grape harvest neared completion in the Finger Lakes region of New York.

**VEGETABLES:** Growing conditions remained favorable in the major vegetable-producing regions of Florida. Growing conditions were also good in the major vegetable producing regions of California. Some garlic plantings had emerged in the Westside area, while seeding continued in other areas. Harvesting activity continued in the central and glades regions of Florida, with tomatoes, cucumbers, squash, and peppers in good quantity. Broccoli and celery harvests continued with good quality from the Salinas-Watsonville and variable quality from the Santa Maria areas of California. The fall harvest of vegetables resumed in the Westside Area with some tip burn and ground rot reported. Strawberry harvest was active along the central coast and in the Central Valley of California. Vegetable harvests continued in central and eastern Arizona, and in the Trans-Pecos and eastern regions of Texas.

**PASTURES AND LIVESTOCK:** Rain along the Pacific Coast helped pastures improve in that area. However, more moisture was needed to allow pastures to reach their full potential. Pastures across the Nation remained in generally fair to good condition, except along the Pacific Coast, Nevada, Utah, and Idaho, where pastures were generally poor to fair. Livestock remained in good condition nationwide. Supplemental feeding was active in areas where conditions warranted.

### Crop Progress

for the Week Ending November 1, 1992

#### GRAIN SORGHUM (Percent Mature)

	Current	Last Wk	1991	Avg.
AR	100	100	100	100
CO	88	77	98	96
IL	100	99	100	100
KS	90	80	100	97
LA	100	100	100	100
MS	100	100	100	100
MO	100	95	100	100
NE	100	97	100	100
NM	97	96	87	NA
OK	87	79	86	92
SD	96	93	100	100
TX	96	94	99	98
12 States	95	89	99	NA
Excl. States with NA	95	89	99	98

NA - not available.

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

#### GRAIN SORGHUM (Percent Harvested)

	Current	Last Wk	1991	Avg.
AR	99	99	97	98
CO	31	21	77	51
IL	75	53	97	83
KS	40	20	95	75
LA	100	100	98	99
MS	100	100	98	99
MO	79	69	87	87
NE	44	20	100	94
NM	48	29	15	NA
OK	43	31	40	42
SD	63	53	100	91
TX	85	81	87	82
12 States	61	47	90	NA
Excl. States with NA	61	47	91	81

NA - not available.

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

#### COTTON (Percent Bolls Opening)

	Current	Last Wk	1991	Avg.
AL	92	86	100	100
AZ	100	100	100	100
AR	99	98	99	99
CA	100	100	100	100
GA	92	90	97	97
LA	100	100	100	100
MS	100	100	100	100
MO	99	96	100	100
NM	98	96	98	99
NC	99	97	100	100
OK	70	59	82	85
SC	100	98	99	99
TN	100	100	100	100
TX	86	68	79	83
14 States	92	83	90	92

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

#### CORN (Percent Harvested)

	Current	Last Wk	1991	Avg.
CO	52	28	71	54
GA	98	96	100	99
IL	61	43	99	92
IN	42	32	96	76
IA	37	24	89	93
KS	80	75	99	90
KY	82	73	92	82
MI	10	8	75	55
MN	36	23	94	93
MO	67	55	94	93
NE	39	26	97	89
NC	93	87	93	91
OH	25	15	92	63
PA	19	12	65	42
SD	29	19	100	93
TX	100	98	98	99
WI	20	15	74	70
17 States	44	33	92	85

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

#### COTTON (Percent Harvested)

	Current	Last Wk	1991	Avg.
AL	58	42	88	84
AZ	75	70	58	56
AR	72	63	87	82
CA	80	65	55	57
GA	41	33	62	68
LA	96	91	90	93
MS	81	68	88	87
MO	70	53	89	87
NM	24	14	19	18
NC	32	28	64	57
OK	23	18	17	16
SC	36	31	63	68
TN	64	51	77	79
TX	36	30	36	31
14 States	55	46	57	54

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

#### WINTER WHEAT (Percent Planted)

	Current	Last Wk	1991	Avg.
AR	63	44	55	56
CA	10	5	5	17
CO	100	100	100	100
GA	12	9	15	15
ID	98	95	96	97
IL	93	88	97	94
IN	92	82	96	90
KS	98	96	97	97
MI	90	80	98	95
MO	74	64	78	82
MT	100	98	100	100
NE	100	100	100	100
NC	36	26	41	36
OH	90	80	96	87
OK	91	86	93	94
OR	89	84	85	83
SD	100	100	100	100
TX	83	78	84	89
WA	100	100	89	95
19 States	90	86	90	91

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

#### WINTER WHEAT (Percent Emerged)

	Current	Last Wk	1991	Avg.
AR	35	25	42	39
CA	3	1	0	3
CO	95	93	93	94
GA	8	4	12	10
ID	86	69	68	78
IL	76	60	86	74
IN	72	51	85	69
KS	85	80	75	90
MI	70	65	90	85
MO	55	37	56	62
MT	87	75	80	91
NE	100	100	96	100
NC	21	12	23	22
OH	65	50	77	62
OK	62	57	69	76
OR	73	61	46	50
SD	96	93	100	99
TX	59	55	72	76
WA	94	85	79	84
19 States	74	67	74	79

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

#### SOYBEANS (Percent Harvested)

	Current	Last Wk	1991	Avg.
AL	43	30	52	55
AR	70	51	54	55
GA	26	17	40	39
IL	95	89	99	98
IN	92	85	97	88
IA	99	95	100	100
KS	85	75	96	80
KY	61	39	63	61
LA	76	73	68	78
MI	55	25	90	80
MN	98	92	99	99
MS	66	53	57	61
MO	86	74	82	83
NE	98	96	100	98
NC	20	12	23	21
OH	90	75	96	86
SC	11	5	22	17
SD	94	79	100	100
TN	44	27	44	54
19 States	84	75	86	84

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

## Crop Condition (Percent)

for the Week Ending November 1, 1992

### CORN

State	VP	P	F	G	EX
CO	0	6	21	62	11
GA	0	0	15	71	14
IL	0	0	4	57	39
IN	0	0	9	75	16
IA	0	0	6	56	38
KS	0	0	6	28	66
KY	0	0	3	51	46
MI	5	10	30	40	15
MN	5	10	47	38	0
MO	0	0	11	71	18
NE	1	6	12	56	25
NC	0	0	29	66	5
OH	1	4	24	49	22
PA	1	4	21	45	29
SD	1	7	22	49	21
TX	0	4	16	56	24
WI	1	10	33	52	4
17 State	1	3	16	55	25
Prev Week	1	3	16	55	25
Prev Year	N/A	N/A	N/A	N/A	N/A

### WINTER WHEAT

State	VP	P	F	G	EX
AR	0	0	29	67	4
CA	0	0	10	85	5
CO	4	6	18	60	12
GA	0	0	34	66	0
ID	0	5	28	53	14
IL	0	0	19	62	19
IN	0	2	29	65	4
KS	0	4	16	40	40
MI	0	5	40	50	5
MO	0	2	50	48	0
MT	0	9	30	52	9
NE	0	0	26	57	17
NC	0	0	11	77	12
OH	0	2	24	61	13
OK	3	13	65	19	0
OR	0	0	9	77	14
SD	0	9	42	41	8
TX	11	23	46	20	0
WA	0	0	87	13	0
19 State	2	8	36	40	14
Prev Week	N/A	N/A	N/A	N/A	N/A
Prev Year	5	12	39	39	5

### COTTON

State	VP	P	F	G	EX
AL	0	0	8	64	28
AZ	0	0	38	51	11
AR	0	0	6	76	18
CA	0	0	5	60	35
GA	0	0	2	73	25
LA	0	2	67	31	0
MS	0	5	49	46	0
MO	0	0	30	62	8
NM	0	18	49	33	0
NC	2	7	51	37	3
OK	0	2	31	67	0
SC	0	1	78	21	0
TN	0	0	9	89	2
TX	1	10	53	31	5
14 State	0	5	40	46	9
Prev Week	1	2	46	44	7
Prev Year	N/A	N/A	N/A	N/A	N/A

### GRAIN SORGHUM

State	VP	P	F	G	EX
AR	0	0	8	69	23
CO	1	11	30	48	10
IL	0	0	12	66	22
KS	0	0	17	35	48
LA	2	13	39	46	0
MS	0	0	23	77	0
MO	0	0	13	69	18
NE	1	3	26	52	18
NM	0	2	24	74	0
OK	0	0	44	55	1
SD	7	9	53	26	5
TX	0	4	25	61	10
12 State	1	3	24	49	23
Prev Week	1	4	24	50	21
Prev Year	N/A	N/A	N/A	N/A	N/A

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

## State Summaries of Weather and Agriculture

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

**ALABAMA:** Rainfall 1.68 to 5.74 in. north; 1.65 to 2.83 in. central; 1.46 to 3.71 in. south. Temperatures 6 to 11° above normal north, central; 7 to 11° above normal south. Lows 38 to 55° north; 41 to 56° central; 48 to 60° south. Highs 74 to 81° north; 79 to 85° central; 81 to 86° south.

Days suitable for fieldwork 6.0. Soil moisture 60% short, 40% adequate. Corn 96% harvested, 100% 1991, 98% avg. Sorghum 90% harvested, 90% 1991, 91% avg. Peanuts 99% dug, 99% 1991, 98% avg.; 96% combined, 98% 1991, 98% avg. Pasture 10% poor, 37% fair, 48% good, 5% excellent. Livestock 9% fair, 78% good, 13% excellent. Primary activities: Harvesting vegetables, hay, corn, sorghum, peanuts, cotton; plowing fields for small grain seeding; planting small grains, marketing cattle; repairing machinery; general care of livestock, poultry, catfish.

**ARIZONA:** Sunny, cooler, 25th; Cloudy, 26th; light showers, 27th; thunderstorms, 28th; light showers, 29th, east; showers, 30th northwest; scattered showers, 31st, north, central. Temperatures normal to 7° above normal. Extremes 30°; 84° higher elevations, 41°; 88° deserts.

Cotton bolls opening 100%, 100% 1991, 100% avg.; harvested 75%, 58%, 56% avg.; 38% fair, 51% good, 11% excellent; weeds, insects light to moderate; Activities included defoliating, harvesting, stalk shredding, plow down statewide. Alfalfa good; weeds, insects light to moderate; harvest, light. Rain damage moderate. Lemons, grapefruits harvested west, central. Cantaloupes, honeydews, green onions, sweet corn, rapini, cabbage, navel oranges harvested, central. Apples, pistachios, chili peppers, pumpkins east. Squash, watermelons, lettuce harvested central, east. Pasture, range conditions 88% of normal. Cattle, calves, good north, mostly good central, southeast. Stockwater, soil moisture, adequate, north, central, mostly adequate southeast. Range feed supplies average to above average, statewide. Insect damage, light.

**ARKANSAS:** Temperatures above normal, scattered showers. Extremes 27°; 90°. Rainfall 0.03 to 2.79 in.

Days suitable for fieldwork 6. Soil moisture supplies 57% short, 40% adequate, 3% surplus. Activities: Defoliating cotton, wheat seedbed preparation, harvesting cotton, milo, corn, rice, hay, planting wheat, oats, fall forage planting, marketing calves, working cattle. Cotton harvest continued. Some producers second picking cotton. Cotton gins running full time. As of 29th, the cotton classing office reported 673,759 bales of Arkansas cotton had been classed. Livestock good. Pastures mostly fair. Pastures supplying average forage for herds. Rainfall needed on fall pastures in northwest, west central.

**CALIFORNIA:** A low pressure system from Gulf of Alaska with accompanying cold front dominated weather pattern for week. Mid, high level clouds moved in first half of week. Wet day 29th with significant rain over the north-central portions of State, snowfall over Sierra Nevada. At some mountain locations, temperatures near to above normal.

Midweek rainfall halted field activities, most areas. Prior to rain, fieldwork good progress. Rice harvest virtually complete. Stubble cut, baled; some burned, complying with State air quality regulations. Cotton harvest active. Bolls rain stained, some areas. Shredding, discing for pink bollworm control followed harvest. Grain corn, silage corn, dry beans, grain sorghum, sugarbeets harvested. Seeding sugarbeets, new alfalfa. Some bird damage, new sugarbeets. Ground preparation fall seeded small grains, forage crops. Wheat, barley, oats seeded, limited areas. Alfalfa hay harvest normal. Tree pruning active. Late season table grapes harvested. Apple, persimmon, kiwifruit, olive, avocado picking active. Coachella Valley dates packed. 1991-92 Valencia orange crop harvest winding down. Harvest of 1992-93 citrus including navel oranges, lemons, desert grapefruit, tangerines was slowed by rain. Strawberry harvest steady central coast good to fairly good demand. Picking central valley areas active. Broccoli fairly heavy, good quality Salinas-Watsonville, heavy, variable quality Santa Maria. Broccoli, cabbage packing active Westside area. Cauliflower moderate, variable quality central coast. Celery moderate, good quality Salinas-Watsonville, fairly heavy, variable quality Santa Maria. Some 1993 garlic plantings emerged Westside area, seeding continued other areas. Iceberg lettuce harvest seasonally increased central valley, moderate Santa Maria variable quality. Fall harvest Westside area resumed, some tip burn, ground rot from recent rains. Head lettuce, broccoli progressing well Palo Verde Valley. Leaf, Romaine lettuce packing Salinas-Watsonville moderate, variable quality. Fall potato movement Tulalake-Butte Valley storages active. Winter potato planting complete Perris-Hemet area. Other vegetables harvested: snap beans, cantaloupes, sweet corn, cucumbers, eggplant, squash, sweetpotatoes, pumpkins, fresh market tomatoes, peppers. Rangeland, pasture improved little due to rain. Few areas greening up, overall improved slightly. Conditions fair to very poor. Rain reduced fire hazard. Water supplies continued poor. Supplemental feeding increasing. Cattle look good, fall calving increasing.

**COLORADO:** Weather conditions turned from fall to winter over much of the State. Most of State received 0.40 to 0.50 in. of moisture. Temperatures mostly 2 to 5° above normal.

Days suitable for fieldwork 5.3. Soil moisture 17% very short, 52% short, 31% adequate. Sorghum mature 88%, 98% 1991, 96% avg, harvested 31%, 77% 1991, 51% avg. Corn harvested 52%, 71% 1991, 54% avg. Sugarbeets harvested 100%, 65% 1991, 79% avg. Winter Wheat emerged 95%, 93% 1991, 94% avg. Livestock mostly good. Pasture, range feed condition good.

**FLORIDA:** Temperatures 5 to 10° above normal northwest, 1 to 3° above normal elsewhere. Highs mostly mid 80s, few upper 80s Peninsula. Lows upper 40s to mid 50s north, mid to upper 50s interior Peninsula and 60 to 70° lower southeast coast. Little, if any, rain, except northwest, rain 0.50 to locally more than 1.00 in.

Soil moisture is short to adequate throughout State, cotton harvest active. Peanut, hay making near completion. Soybean,

sugarcane harvest gaining momentum. Sugarcane planting active. Making preparations for planting of winter wheat for grain. Citrus trees, fruit near excellent. Rain needed some irrigation underway. Good early fruit color, new growth slowing. Harvest increasing all early types. Demand good for fresh shipments. Caretakers cutting cover crops. Spot spraying fresh crops. Growing conditions good in major vegetable producing regions, temperatures slightly above average. Irrigation needed. Harvesting activity increased central, Glades, decreased north. Volume leaders: Tomatoes, cucumbers, squash, peppers, radishes, sweet corn. Also harvesting snap beans, escarole/endive, eggplant, cherry tomatoes. State's pastures poor to excellent. Pasture 5% poor, 25% fair, 65% good, 5% excellent. Moisture levels short to adequate. State's cattle herds mostly good.

**GEORGIA:** Rain 1.00 to 3.00 in. north, few locations 3.00 to 5.00 in. West central, southwest 0.25 to 1.00 in. Most of southeast had no rain. Cloud cover kept nighttime temperatures much above normal. Breaks in clouds allowed afternoon temperatures to rise above normal. Temperatures 5 to 10° above normal. Highs mid to upper 70s north, low to mid 80s central, south. Coolest upper 30s to low 40s mountains, mid 40s to low 50s elsewhere.

Days suitable for fieldwork 6.2. Soil moisture 2% very short, 55% short, 43% adequate. Corn harvest nearing completion, slow in north. Cotton prospects continue high, harvest nearly 2.5 weeks behind normal. Bolls some fields slow to open. Sorghum 4% fair, 96% good; 78% harvested for grain, 86% 1991, 87% avg. Peanuts 33% fair, 67% good; 100% dug, 100% 1991, 100% avg.; 97% threshed, 98% 1991, 98% avg. Soybeans 14% fair, 77% good, 9% excellent; 100% dropping leaves, 100% 1991, 99% avg.; harvest about week behind normal. Wheat planting progress near normal. Rye 69% planted, 62% 1991, 64% avg. Other small grains 43% fair, 56% good, 1% excellent; 52% planted, 38% 1991, 41% avg. Onions 13% planted, NA 1991, NA avg. Vegetables 53% fair, 47% good; Volume most vegetables lower. Apples 93% harvested, 92% 1991, 97% avg. Pecans 22% very poor, 27% poor, 45% fair, 6% good; 20% harvested, 30% 1991, 25% avg. Pastures fair to good, some insect damage central, south. Cattle, hogs good. Other activities included harvesting last cutting of hay, planting, preparing small grain fields, spraying defoliant on cotton, overseeding pastures, planting winter grazing.

**HAWAII:** High pressure system dominated weather. Gusty trades, passing showers kept some areas of the State cool. Soil moisture levels for some crop growing areas benefited from recent shower activity. The water conservation notice was canceled on Hawaii island. Drier areas required irrigation to ensure normal development. Rainfall 0.08 to 3.20 in.

Days suitable for fieldwork 7.0. Weather conditions benefitted cooler season crops. Short day length, overcast skies slowed progress in other crops. Banana production will continue at normal levels. Papaya supplies seasonally increased. Sweet corn production lower.

**IDAHO:** Temperatures 0 to 8° above normal throughout State. Precipitation fell throughout State.

Days suitable for fieldwork 6. Soil moisture 26% very short, 41% short, 32% adequate, 1% surplus. Potato harvest 100% 1992. Potato good. Sugarbeet harvested 90% 1992. Field corn

for silage 99%. Field corn for grain 56%. Irrigation water supplies 31% very poor, 24% poor, 21% fair, 24% good. Activities: Harvesting of sugarbeets, corn, potatoes. Pasture, range condition 50% of normal. Livestock good.

**ILLINOIS:** Cool dry weather early in the week followed by overcast skies; rainfall starting on the 29th through week's end. Temperatures high 20s to high 70s, temperatures mostly below normal for the State. Precipitation across State last week, 0.40 in. to as much as 4.00 in., one small portion of the State, with common readings of approximately 1.00 in.

Days suitable for fieldwork 6.5. Soil moisture 33% short, 67% adequate. Pasture 85% of normal.

**INDIANA:** Precipitation less than 0.20 in. to over 3.00 in. High temperatures low 60s to mid 70s. Lows upper 20s to near 40s.

Days suitable for fieldwork 6.1. Topsoil 16% short, 78% adequate, 6% surplus. Subsoil 14% short, 82% adequate, 4% surplus. Pasture 88%, 89% last week, 63% 1991. Tobacco processed 18%. Weekend showers halted harvest activities.

**IOWA:** Temperatures 5 to 9° below normal. Extremes 27°; 83°. Widespread rain over weekend; 0.58 to 3.66 in.; average 1.81 in.

Days suitable for fieldwork 6.9. Topsoil 10% short, 87% adequate, 3% surplus. Subsoil 1% short, 92% adequate, 7% surplus. Fall tillage completed for next years row crop acreage 15%, 28% 1991, 39% avg. Row crop acreage fall fertilized 12%, 21% 1991, 31% avg. Corn harvest slow due to high moisture content. Moisture content of corn 24%; moisture content of corn now being harvested 22%. Pasture 2% poor, 25% fair, 61% good, 12% excellent. Livestock mostly good, excellent weight gains.

**KANSAS:** Temperatures 0 to 4° above normal over State. Precipitation received all districts. Rainfall 0.08 to 1.28 in. All districts except one received 0.24 in. plus.

Days suitable for fieldwork 4.5. Surface moisture 28% short, 65% adequate, 7% surplus. Subsurface moisture 17% short, 82% adequate, 1% surplus. Most farm activity centered around fall harvest. Row crops mostly good to excellent. Harvest progress still behind normal for corn, sorghum because of late maturity. Wheat planting mostly complete. Rainy weather slowed fall harvest the past week. Pastures for State still good. Forage, stockwater adequate for State, with some shortages in dryer areas. Cattle grazing corn, sorghum stubble, wheat pasture. Limited supplemental feeding.

**KENTUCKY:** Week began dry, ended wet. High temperatures 70s to mid 60s, 5° above normal. Low temperatures 40s to 50s, 7° above normal. Statewide rainfall 0.25 to 0.50 in., 1.00 in. central, northeast.

Days suitable for fieldwork 5.3. Soil moisture 8% very short, 58% short, 34% adequate. Scattered rains 29th, 31st, & Nov. 1st. Weekend rain brought burley into order for stripping. Quality continues mostly good. Winter wheat seeding active. Favorable weather conditions corn, soybean harvest. Pastures good, rain beneficial.

**LOUISIANA:** Temperatures 5.7° to 8.1° above normal. Extremes 49°; 90°. Rainfall 0.44 in. southeast to 3.25 in. north central.

Days suitable for fieldwork 5.9. Soil moisture 5% very short, 45% short, 48% adequate, 2% surplus. Pecans 70% very poor,

22% poor, 8% fair; 37% harvested, 28% 1991, 22% avg. Soybeans 100% turning color, 98% 1991, 99% avg.; 95% shedding leaves, 94% 1991, 97% avg. Green bean syndrome affecting some fields. Wheat 26% planted, 32% 1991, 33% avg.; 12% emerged, 19% 1991, 17% avg. Rain welcomed for germination. Sugarcane 49% fair, 51% good; 98% planted, 100% 1991, 99% avg.; 27% harvested, 36% 1991, 31% avg. Sweetpotatoes 82% harvested, 89% 1991, 89% avg. Livestock 32% fair, 59% good, 9% excellent. Marketing of spring born calves. Pastures 1% very poor, 8% poor, 9% fair, 82% good. Moisture from rain was welcomed. Vegetables 7% poor, 61% fair, 29% good, 3% excellent. Crawfish pond flooding continued. Strawberry plants being set out, southeast.

**MARYLAND & DELAWARE:** MARYLAND: Precipitation 0.28 in. Temperature 52.8°, normal 51.8°. Extremes 27°; 75°.

Days suitable for fieldwork 5.3. Topsoil 17% short, 67% adequate, 16% surplus. Subsoil 22% short, 67% adequate, 11% surplus. Corn good; Grain harvested: 64%, 87% 1991, 84% avg. Soybeans fair to good; 47% harvested, 50% 1991, 55% avg. Sorghum good; 49% harvested, 96% 1991. Pastures, cattle, mostly excellent. Alfalfa fifth cutting 54%, other hay fourth cutting 64%, supplies mostly adequate. Apples harvested 87%, 94% 1991, 98% avg. Sweetpotato harvest active; small grain seeding active: wheat 57% complete, barley 89%, rye 62%, oats 60%; all emerging well.

DELAWARE: Precipitation 0.32 in. Temperature 52.1°, normal 52.7°. Extremes 33°; 71°.

Days suitable for fieldwork 5.7. Topsoil 100% adequate. Subsoil moisture 100% adequate. Soybeans good; 38% harvested, 46% 1991, 48% avg. Corn mostly good; grain harvested: 80%, 97% 1991, 94% avg. Sorghum good; 28% harvested, 84% 1991. Haymaking virtually complete; supplies adequate. Pastures mostly excellent. Small grain seeding active; wheat 49% complete, barley 42%, rye 73%; seedlings emerging well.

**MICHIGAN:** Extremes 22°; 63°. Precipitation 1.63 to 0.15 in. across the State.

Days suitable for fieldwork 6.0. Soil moisture 65% adequate, 35% surplus. Corn silage 90% harvested, 100% 1991, 99% avg. Dry beans 98% harvested, 100% 1991, 90% avg. Potatoes 99% harvested, 100% 1991, 99% avg. Sugarbeets 90% harvested, 90% 1991, 75% avg. Pasture 80% of normal. Major activities: Fruit, field crop harvest, wheat seedings, fall tillage.

**MINNESOTA:** Temperatures near normal to 4° below normal. Extremes 14°; 80°. Precipitation none to 1.11 in., 0.41 in. below normal to 0.71 in. above normal. Greatest weekly total 1.94 in.

Days suitable for fieldwork 6.6. Topsoil 5% very short, 24% short, 65% adequate, 6% surplus. Subsoil 2% very short, 20% short, 67% adequate, 11% surplus. Corn 36% picked/combined 94% 1991, 93% avg.; 26% moisture content 16% 1991, 18% avg.; 13% stubble plowed, 66% 1991, 64% avg. Soybeans 98% combined, 99% 1991, 99% avg.; 11% moisture content, 10% 1991, 10% avg.; 56% stubble plowed, 79% 1991, 72% avg. Sunflowers 84% harvested, 99% 1991, 99% avg.

**MISSISSIPPI:** Temperature 66°, 6.1° above normal. Extremes 37°; 96°. Northern two-thirds of the State received above average rainfall, rest of the State received near average rainfall. Rainfall 1.17 in., 0.51 above normal. Soil temperature 68°.

Days suitable for fieldwork 4.6, 3.5 1991, 5.1 avg. Soil moisture 8% very short, 25% short, 59% adequate, 4% surplus, 4% excessive. Corn harvested 97%, 96% 1991, 96% avg.; 37% fair, 61% good, 2% excellent. Cotton 81% harvested, 88% 1991, 87% avg.; 5% poor, 49% fair, 46% good. Soybeans shedding leaves 98%, 96% 1991, 99% avg.; 66% harvested, 57% 1991, 61% avg.; 1% poor, 5% fair, 81% good, 13% excellent. Sweetpotatoes harvested 87%, 97% 1991, 91% avg.; 35% fair, 65% good. Wheat planted 54%, 52% 1991, 54% avg.; 35% emerged, 40% 1991, 36% avg.; 2% poor, 35% fair, 63% good. Pecans 25% harvested, 30% 1991, 15% avg.; 62% very poor, 21% poor, 11% fair, 6% good. Livestock 1% fair, 87% good, 12% excellent. Pasture 92% of normal. Activities: Finishing harvest, planting wheat.

**MISSOURI:** Temperatures near normal. Rainfall 1.55 in.; 0.64 in. southeastern district to well over 1.00 in. all other districts.

Days suitable for fieldwork 4.9. Topsoil 25% short, 70% adequate, 5% surplus. Subsoil 33% short, 66% adequate, 1% surplus. Corn harvesting by district varies 45% northwest, 53% north central, to 100% southeast. High moisture in ear still delaying corn harvest in northern counties. Soybean harvest ranges from 47% southwestern district to over 80% southeastern, central districts, over 90% northern districts. Sorghum harvest ranges 55% northeast, 60% north central, northwest, to 99% southeast. Recent rain benefiting wheat germination, growth. Ground worked at least once for spring crops 24%, 32% 1991, 36% avg. Pasture 2% very poor, 12% poor, 40% fair, 41% good, 5% excellent.

**MONTANA:** Temperatures above normal with above normal precipitation in the northern portion of the State; central area received little precipitation.

Days suitable for fieldwork 6.5. Topsoil 53% short, 44% adequate, 3% surplus. Subsoil 53% short, 44% adequate, 3% surplus. Pasture, range feed 79%, remaining steady from last week. Movement of cattle, calves from summer ranges 80%, sheep, lambs 84%.

**NEBRASKA:** Temperatures near normal. Precipitation occurred latter half of week, varied from 0.20 in. north, central to over 1.50 in. southwest.

Days suitable for fieldwork 6.0. Topsoil 19% short, 78% adequate, 3% surplus. Subsoil 9% short, 86% adequate, 5% surplus. Winter wheat 26% fair, 57% good, 17% excellent. Corn harvest 3 weeks behind normal; 39% harvested, 97% 1991, 89% avg. Sorghum 3½ weeks behind normal; 44% harvested, 100% 1991, 94% avg. Soybean harvest 98% complete, 100% 1991, 98% avg. Pasture, range 96% of normal. Cattle moved to stalk fields as available.

**NEVADA:** Two weather systems moved across the State. One moved north from southern California across southern Nevada into the Rockies. Second system was much stronger, breaking through persistent eastern Pacific ridge, then across the Great Basin. Precipitation with first system was mainly a summer-like pattern with only scattered rain, most in south. Second system much colder, mainly in the north. Precipitation totals showed everyone with some precipitation. Highest zone total was northeast with average total of 0.54 in. Temperatures continued above normal, most averages were in 50s. Extremes 21°; 80°.

Farmers, ranchers preparing for usual winter chores, livestock feeding activities. Poor range conditions have resulted in supplemental feeding much earlier than usual.

**NEW ENGLAND:** Precipitation light, none to 0.50 in. all areas except northern Maine 1.16 to 2.36 in. Temperatures mid 30s to high 40s. Maximum temperatures mid 40s to high 50s north, mid 50s to high 60s south; minimum temperatures mid teens to mid 20s north, high teens to mid 30s south.

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

**NEW JERSEY:** Temperatures much below normal. Extremes 24°; 69°. Rainfall 0.04 in. north, 0.30 in. central, 0.54 in. south. Heaviest 24 hour total 0.71 in. on 30th, 31st. Estimated soil moisture, in percent field capacity, averaged 94% north; 90% central, 89% south. Four inch soil temperatures averaged 44° north, 45° central, 50° south.

Soil moisture generally adequate. Pumpkins, apples good volume. Harvesting sweetpotatoes. Harvesting corn for grain, soybeans. Cranberry harvest well advanced. Planting cover crops. Pasture good overall.

**NEW MEXICO:** Most of the week was unseasonably warm, a significant cold front moved through weekend. Temperatures 3° above normal for the State. Extremes 11°; 83°. Most areas received some precipitation. Higher totals reached over 1.00 in., most around 0.50 in. and under.

Days suitable for fieldwork 6.2. Soil moisture 79% short, 21% adequate. Crop conditions: Alfalfa harvest was winding up with the remaining mostly good. Corn mostly good, silage harvest complete with some grain to go. Irrigated wheat 6% poor, 22% fair, 72% good. Dryland wheat 8% very poor, 23% poor, 38% fair, 31% good. Winter wheat is 100% planted, 98% emerged. Chile poor to good, red harvest active. Lettuce mostly good, harvest progressing. Pecans 5% poor, 27% fair, 68% good. Cattle, sheep fair to good. Range, pasture 78% of normal.

**NEW YORK:** Cold, dry week. Temperatures 5° below normal. Extremes 17°; 63°. Precipitation light. Most areas received less than 0.10 in. No reporting station had more than 0.33. Most precipitation fell on 29th.

Days suitable for fieldwork 4.8. Soil moisture adequate to excessive. Pasture 96% of average. Hay mostly good. Third cutting alfalfa 95% finished, 100% 1991, 100% avg. Corn fair to good. Silage corn harvest 78% complete, 97% 1991, 90% avg. Grain corn 9% harvested, 66% 1991, 42% avg. Dry bean harvest near complete. Potato harvest rapidly finishing. Fall plowing active. Roadside stands, cold storage retail sales room were busy selling apples, apple products, including cider. Grape harvest near completion in Finger Lakes region. Vegetable harvests drawing to close. Growers moved boxes of cured onions into storages.

**NORTH CAROLINA:** Temperatures 1 to 6° above normal with the largest positive departures occurring in western areas. Precipitation 2.74 in. at Tryon to no precipitation at a number of locations in eastern areas.

Days suitable for fieldwork 6.2. Soil moisture 2% very short, 51% short, 47% adequate. Crop condition: Pasture 2% poor, 29% fair, 67% good, 2% excellent. Corn 29% fair, 66% good, 5% excellent. Cotton 2% very poor, 7% poor, 51% fair, 37% good, 3% excellent. Peanuts 43% fair, 57% good. Soybeans 1% poor, 29% fair, 67% good, 3% excellent. Sweetpotatoes 4% poor, 45% fair, 48% good, 3% excellent. Sorghum 35% fair,

65% good. Winter wheat 11% fair, 77% good, 12% excellent. Cotton open bolls 99%, 100% 1991, 100% avg. Soybeans leaf drop 94%, 89% 1991, 87% avg. wheat 21% emerged, 23% 1991, 22% avg. Corn for grain harvested 93%, 93% 1991, 91% avg. Sorghum for grain harvested 77%, 67% 1991, 74% avg. Apples harvested 86%, 98% 1991, 96% avg. Cotton harvested 32%, 64% 1991, 57% avg. Peanuts dug 97%, 99% 1991, 94% avg. Peanuts threshed 85%, 91% 1991, 83% avg. Soybeans harvested 20%, 23% 1991, 21% avg. Sweetpotatoes harvested 84%, 76% 1991, 85% avg. Winter wheat planted 36%, 41% 1991, 36% avg. Oats planted 57%, 61% 1991, 60% avg. Barley planted 64%, 69% 1991, 65% avg. Rye planted 51%, 53% 1991, 54% avg. Hay, roughage supplies 88% adequate, 12% surplus. Major activities: Harvesting corn for grain; seeding small grains; harvesting soybeans; Fall tillage. Other activities: Digging, threshing peanuts; digging sweetpotatoes; harvesting cotton; planting winter cover crops; tending livestock; equipment repair; general farm maintenance.

**NORTH DAKOTA:** Started warm, dry; changed to cool, wet by weekend. Temperatures 1 to 3° above normal. Extremes 13° southwest; 79° north central. Precipitation 0.03 in. northeast to 0.34 in. south central.

Days suitable for fieldwork 5.0. Topsoil improved with precipitation. Topsoil 17% very short, 64% short, 19% adequate. Subsoil 31% very short, 47% short, 22% adequate. Corn, sunflower harvest halted by rain, snow. Corn for grain 66% harvested, 99% 1991, 97% avg. Sunflower 76% harvested, 97% 1991, 98% avg. Range, pasture 60% of normal. Stockwater supplies 11% very short, 39% short, 50% adequate.

**OHIO:** Daytime highs were near normal while lows were slightly above normal. Precipitation arrived in the form of scattered showers on 29th, 30th continued through the weekend. Isolated areas received heavy showers on 1st. State remained free of frost.

Days suitable for fieldwork 5.5. Topsoil 13% short, 76% adequate, 11% surplus. Fall apples harvested 90%, 100% 1991, 100% avg. Potato, grape harvests are virtually complete. Sugarbeets harvested 57%. Pasture still good. Corn harvest continues to fall behind due to slow drying conditions.

**OKLAHOMA:** Temperatures 4° below normal north central to 4° above normal southeast. Precipitation 0.02 in. Panhandle to 1.60 in. northeast.

Days suitable for fieldwork 6.3. Topsoil 91% short, 9% adequate. Subsoil 56% short, 44% adequate. Wheat 3% very poor, 13% poor, 65% fair, 19% good; 91% planted, 93% 1991, 94% avg.; 62% emerged, 69% 1991, 76% avg. Cotton 2% poor, 31% fair, 67% good; 70% open bolls, 82% 1991, 85% avg.; 23% harvested, 17% 1991, 16% avg. Sorghum 44% fair, 55% good, 1% excellent; 87% mature, 86% 1991, 92% avg.; 43% harvested, 40% 1991, 42% avg. Soybeans 49% harvested, 44% 1991, 38% avg. Peanuts 76% harvested, 73% 1991, 60% avg. Pastures 96%. Cattle good; marketings average, prices steady to higher.

**OREGON:** Temperatures above normal statewide, except northern coast 1° below. All areas had some precipitation, most rainfall occurred west of the Cascades, coastal areas averaged 3.10 in., elsewhere 2.00 to 2.50 in. Areas east of Cascades 0.80 in.

Soil moisture 85% short, 15% adequate. Winter wheat 89% planted, 73% emerged. Winter wheat 14% excellent, 77% good,

9% fair. Field preparation for fall seeding in cereal grains continues. Russian Wheat Aphid problems reported in northeastern areas. Producers finished spraying, fertilizing grass seed fields, Willamette Valley. Sugarbeet harvest continues, Malheur County.; complete in Klamath County. Hazelnut harvest virtually complete; Willamette Valley. Walnut harvest 80% complete. Fruit orchard winter preparations underway, statewide; applying fall sprays Willamette Valley. Cranberry harvest winding down, will be complete mid-month; southern coast. Potato, onion harvest complete. Cole crops, pepper, carrot harvests continue, Willamette Valley. Livestock good. Western pastures improving, supplemental feeding has been reduced. Eastern pastures, ranges still dry, continue supplemental feeding. Fall weanings, shipments underway. Range, pasture 56% of normal.

**PENNSYLVANIA:** Slightly below normal temperatures, well below normal precipitation. Temperature 48°, 1° below normal. Extremes 22°; 67°. Precipitation 0.09 in., 0.57 in. below normal.

Days suitable for fieldwork 5. Soil moisture 16% short, 70% adequate, 14% surplus. Ensilage corn harvested 86% complete, 99% 1991. Soybean harvest 44% complete, 57% 1991; 3% very poor, 5% poor, 20% fair, 49% good, 23% excellent. Potato harvest 96% complete, 95% 1991. Fall plowing 82% complete, 84% 1991. Wheat planted 92% complete, 95% 1991. Barley planted 97% complete, 99% 1991. Third cutting alfalfa 96% complete, 99% 1991. Fourth cutting alfalfa 82% complete, 85% 1991. Quality of hay made 11% poor, 60% fair, 29% good. Feed from pastures 7% very poor, 19% poor, 43% fair; 31% good. Apple harvest 88% complete, 95% 1991. Grapes harvest 95% complete, 99% 1991. Activities: Hauling manure; maintaining machinery; cutting, baling hay; making corn silage; harvesting soybeans, grain corn, fruit; fall plowing; planting wheat, barley; fixing fence; caring for livestock.

**PUERTO RICO:** Rainfall 1.33 in. was 0.32 in. below normal. Highest rainfall 4.18 in. Adjuntas Aes, 4.16 in. at Maricao, 4.16 at Isabela Aes. Highest 24 hour total 2.24 in. at Adjuntas Aes on 24th. Divisional temperatures 79 to 80° on the Coasts, 75° Interior with mean station temperature 66.8° at Pico Del Este to 84.4° at Guayama. Extremes 55°; 92°.

**SOUTH CAROLINA:** Temperatures across State above normal Statewide. Rainfall 0.60 in. statewide.

Days suitable for fieldwork 6.1. Soil moisture 62% short, 33% adequate. Cotton fair to good; 36% harvested, 63% 1991, 68% avg. Soybeans fair to good; 94% leaves turning, 97% 1991, 97% avg.; 73% shedding leaves, 75% 1991, 79% avg.; 56% mature, 62% 1991, 68% avg.; 11% harvested, 22% 1991, 17% avg. Apples good; 91% harvested, 100% 1991, 96% avg. Fall hay fair to good; 94% harvested, 94% 1991, 92% avg. Peanuts fair to good; 76% harvested, 96% 1991, 85% avg. Sorghum fair to good; 78% harvested, 80% 1991, 72% avg. Oats fair to good; 53% planted, 41% 1991, 45% avg.; 40% emerged, 22% 1991, 27% avg. Rye fair to good; 54% planted, 41% 1991, 45% avg.; 42% emerged, 29% 1991, 30% avg. Winter grazing fair to good; 78% planted, 68% 1991, 73% avg, 64% emerged, 49% 1991, 56% avg. Barley fair to good; 53% planted, 33% 1991, 37% avg.; 41% emerged, 18% 1991, 22% avg. Wheat fair to good; 10% planted, 7% 1991, 15% avg.; 5% emerged, 4% 1991, 7% avg. Dry, sunny weather favorable for harvesting.

**SOUTH DAKOTA:** Winter storm brought rain, snow across State, up to 5.00 in. of snow in the eastern third. Precipitation 0.25 to 1.50 in. Temperatures 0 to 5° below normal. Extremes 16°; 72°.

Days suitable for fieldwork 6.1. Topsoil 25% very short, 50% short, 22% adequate, 3% surplus. Subsoil 23% very short, 35% short, 35% adequate, 7% surplus. Winter rye 3% very poor, 8% poor, 20% fair, 66% good, 3% excellent. Sorghum silage harvest 93% complete, 100% 1991, 100% avg. Sunflowers harvest 80% completed, 100% 1991, 98% avg. High moisture, low test weight corn was reported. Livestock 1% very poor, 6% fair, 75% good, 18% excellent. Pasture 79% of normal.

**TENNESSEE:** Rainfall was well above normal across the State, especially in the southwest where over 4.00 in. fell. Precipitation more than 1.00 in. throughout the region, exceeded normal by at least 0.75 in. Plateau, 1.70 in. west. Temperatures 2 to 6° above normal over most of State.

Days suitable for fieldwork 4.6. Soil moisture, 16% short, 81% adequate, 3% surplus. Corn 88% grain harvested, 90% 1991, 93% avg. Cotton 64% harvested, 77% 1991, 79% avg. Sorghum 93% harvested, 88% 1991, 94% avg. Soybeans 85% mature, 88% 1991, 89% avg.; 44% harvested, 44% 1991, 54% avg.; 16% fair, 71% good, 13% excellent. Wheat 51% seeded, 59% 1991, 61% avg. Burley tobacco 40% stripped, 45% 1991, 44% avg. Cattle 7% fair, 86% good, 7% excellent. Pasture 21% fair, 68% good, 11% excellent. Farm activities: Harvesting corn, sorghum, cotton, soybeans; stripping tobacco; fall seedings.

**TEXAS:** Dry and mild; warm temperatures dominated early, middle part. Weak front early brought few weather changes. However, two fast-moving systems triggered thunderstorms mainly Central, East late, over weekend. Fronts brought some cooling Northern, Western sections. Rainfall above normal Northern, Eastern, Central sections, below normal West, Coastal far Southern areas. Temperatures near, below normal Plains, above normal elsewhere.

**Crops:** Cotton fields High Plains helped by warm weather, cotton bolls opened rapidly. Harvest underway, limited basis. Fields Cross Timbers maturing, nearing harvest, while Trans-Pecos harvest activities in full swing. Grain sorghum harvest High Plains slowed by high moisture content grain. Low Plains, stubble baled for winter livestock feed. Planting small grains remained slow most areas. Those fields already planted, emerged, irrigated fields doing well, most others showed signs moisture stress. Peanut harvest continued throughout State. Additional rainfall helped harvest activities most areas. Statewide condition 78% normal, 84% 1991; 59% harvested, 54% 1991, 50% avg. Soybean harvest continued, minimum delays by showers.

**Commercial Vegetables:** Rio Grande Valley, peppers, cucumbers harvested. Some early grapefruit harvested. High Plains, carrot harvest continued. East Texas, tomato harvest winding down, sweet potato harvest continued. Trans-Pecos, watermelons, pumpkins, cantaloupes harvested. Pecan harvest well underway most areas. Harvest moved rapidly Cross Timbers with favorable conditions.

**Range and Livestock:** Showers helped revitalize winter pastures, more significant levels moisture needed to replenish stock tanks. Livestock conditions remained good, some scattered instances respiratory problems from dry, dusty conditions. Supplemental feeding increased most areas, intensifying demand for hay.

**UTAH:** Average temperature 2° above normal, minimums 10° above normal. Moderate precipitation fell in all areas of the State. Several stations over 1.00 in. precipitation with the largest amount 1.57 in. falling at Olmstead.

Days suitable for fieldwork 5.0. Soil moisture 50% short, 50% adequate. Winter wheat emerged 86%, 81% 1991. Field corn harvested for grain 93%, 55% 1991. Movement of cattle, sheep from summer range is virtually complete compared with 95%, 96% respectively last year. Non-irrigated pasture, range poor to fair.

**VIRGINIA:** Temperatures above normal, precipitation was below normal. Extremes 26°; 79°.

Days suitable for fieldwork 6.3. Topsoil 12% very short, 67% short, 21% adequate. Pasture 5% poor, 61% fair, 29% good, 5% excellent. Corn harvested for grain 75%, 93% 1991, 84% avg. Soybeans harvested 24%, 38% 1991, 33% avg. Apple harvest 92%, 97% 1991, 90% avg. Peanuts 96% dug, 100% 1991, 95% avg. Peanuts combined 93%, 100% 1991, 90% avg. Cotton harvested 10%, 55% 1991, 55% avg. Oats seeded 87%, 91% 1991, 86% avg. Barley seeded 70%, 92% 1991, 88% avg. Winter wheat seeded 38%, 52% 1991, 52% avg. Winter grains, grazing crops condition 10% poor, 49% fair, 39% good, 2% excellent. Forage from pastures, grazing crops dairy cattle 29%, beef cattle 91%, sheep 91%. Stripping, grading burley tobacco. Marketing flue tobacco. Gassing tobacco plantbeds.

**WASHINGTON:** Temperatures 1 to 5° above normal west; 1° below to 5° above normal east. Rainfall 0.12 to 0.89 in. west; 0.08 to 0.56 in. east.

Days suitable for fieldwork 4.6. Soil moisture 69% short, 31% adequate. Hay, other roughage 13% short, 72% adequate, 15% surplus. Range, pasture 16% very poor, 39% poor, 45% fair. Winter wheat emerged 94%, 79% 1991, 84% avg.; 87% fair, 13% good. Potatoes 88% harvested, 88% 1991, 95% avg.; 100% good. Corn silage 99% harvested. Corn grain harvested 64%, 37% 1991, 46% avg.; 100% good. Dry beans harvested 98%; 100% good. Timely precipitation received, but sub-soil moisture remains short, particularly eastern areas. Producers evaluating reseeding winter wheat due to poor emergence, weed growth eastern areas. Russian wheat aphid populations high; cooler weather has slowed aphid development central regions. Rodent control, weed spraying, general clean-up major activities central orchards. Fruit, berry fungus problems reported western

areas. Boughs harvested for wreaths, Christmas tree harvest underway. Pastures short, producers providing supplemental feed for livestock.

**WEST VIRGINIA:** Temperature 51°. Extremes 23°; 76°. Precipitation 0.40 in.

Days suitable for fieldwork 5.4. Soil moisture, 18% very short, 64% short, 18% adequate. Corn, 76% good, 24% excellent; 60% harvested. Pastures, 26% poor, 21% fair, 53% good; 79% of normal. Cattle, good. Sheep, good. Soybeans, 57% good, 43% excellent; 65% harvested. Wheat, sown 50%. Activities: Maintenance; clipping pastures; chopping silage; marketing livestock; harvesting corn, and soybeans; sowing wheat; stripping tobacco.

**WISCONSIN:** Temperature 39°; 5° below normal. Extremes 10°; 67°. Precipitation 0.50 to 1.90 in. Over the weekend, rain fell in the south while rain mixed with sleet, snow fell in the northern areas. This put an end to fieldwork on 31st afternoon, 1st.

Days suitable for fieldwork 5.5. Soil moisture 1% short, 89% adequate, 10% surplus. Pasture 71% of normal, 77% 1991, 73% avg. General condition of crops 1% very poor, 2% poor, 37% fair, 57% good, 3% excellent. Corn 1% very poor, 10% poor, 33% fair, 52% good, 4% excellent. Corn for grain 20% harvested, 74% 1991, 70% avg. Corn silage 84% harvested, 99% 1991, 98% avg. Moisture levels continue to be very high in corn to be harvested for grain. Reports indicate anywhere from the high teens to the lower forties for moisture percentages. Soybean 1% very poor, 7% poor, 44% fair, 44% good, 4% excellent; 69% harvested, 91% 1991, 88% avg. Yields are extremely variable across the State for both corn, soybeans. Intended fall tillage 32% complete, 50% 1991, 48% avg. Hay, roughage supplies 19% short, 78% adequate, 3% surplus.

**WYOMING:** It was a warm, dry week across State. Temperatures 3 to 9° above normal. Precipitation was below normal over much of the State with the exception of the western, southern regions where precipitation was slightly above normal.

Days suitable for fieldwork 6.1. Topsoil 59% short, 41% adequate. Subsoil 84% short, 16% adequate. Corn 2% dented, 2% 1991, 4% avg.; 60% mature, 21% 1991, 44% avg.; 38% harvested, 77% 1991, 52% avg. Sugarbeets harvested 96%, 91% 1991, 92% avg. Winter wheat mostly fair. Livestock moved from summer ranges 97% cattle, calves; 98% sheep, lambs. Livestock fair to mostly good. Ranges, pastures poor to fair.

## October 1992

MONTHLY DATA FROM SELECTED FOREIGN CITIES  
 CLIMATE ANALYSIS CENTER-NMC-NWS-NOAA  
 \*\*\* = DATA NOT AVAILABLE

International Weather and Crop Summary  
 HIGHLIGHTS

October 25 - 31, 1992

**FSU:** Light to moderate rain over Ukraine benefited winter grain establishment, but interrupted late-summer crop harvests.

**EUROPE:** Widespread rain slowed fieldwork but increased soil moisture reserves.

**NORTHWESTERN AFRICA:** Dry weather covered winter grain areas in Morocco, Algeria, and Tunisia.

**SOUTH ASIA:** Seasonably dry weather favored summer crop harvests and winter wheat planting.

**SOUTHEAST ASIA:** Typhoon Colleen and remnants of Typhoon Angela caused localized flooding in Indochina and the Philippines.

**EASTERN ASIA:** Dry weather continued to favor fieldwork across most of China.

**AUSTRALIA:** Rain benefited northeastern wheat, but more moisture is needed.

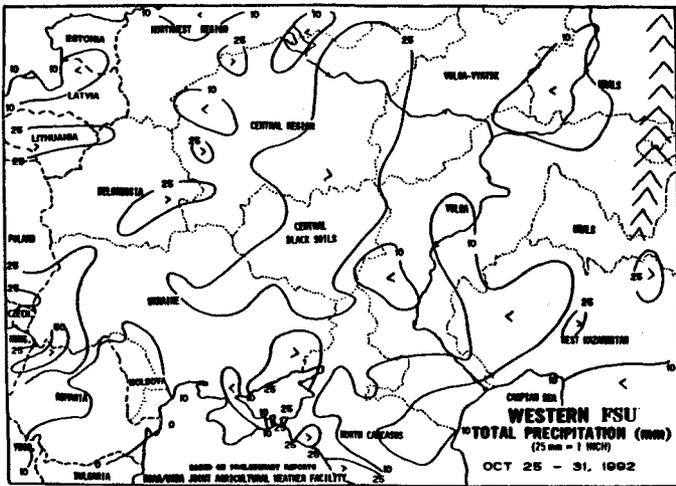
**SOUTH AMERICA:** Wetness delayed summer crop planting in southern Brazil and northern Argentina.

**MEXICO:** Drier weather favored corn harvesting and dry down.

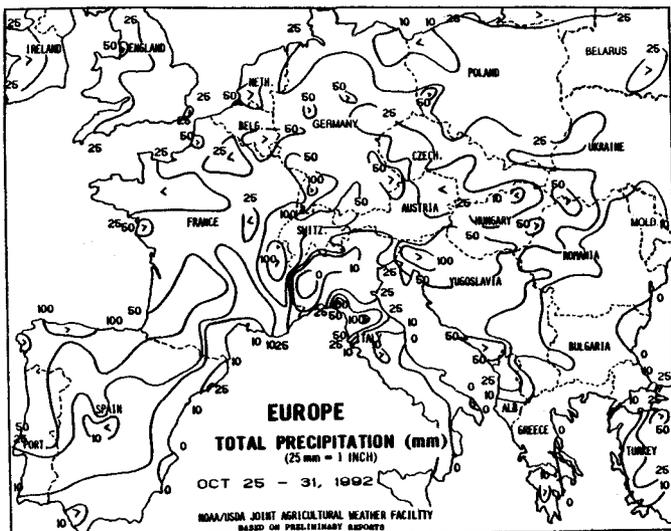
COUNTRY	CITY	TEMPERATURE					PRECIPITATION		
		AVG MAX	AVG MIN	HI MAX	LO MIN	LO MIN	AVG F/NRM	TOTAL MM	DPART F/NRM
NORWAY	OSLO	4	-1	17	-14	2	-2.8	48	-45
SWEDEN	STOCKHOLM	7	1	17	-10	4	-3.7	71	20
FINLND	HELSINKI	3	-2	12	-13	1	-4.9	119	53
U KING	GLASGOW	11	2	16	-5	6	-3.6	50	-80
	EDINBURGH	10	3	16	-3	7	-3.1	34	-23
	BIRMINGHAM	11	5	15	-3	8	-2.6	65	13
	LONDON	12	5	18	-3	8	-2.4	90	28
IRELND	DUBLIN	11	6	16	-1	8	-2.5	30	-38
ICELND	REYKJAVIK	6	3	13	-5	5	-0.4	45	-50
DENMRK	COPENHAGEN	10	4	16	-2	7	-2.3	70	11
LUXEMB	LUXEMBOURG	10	5	16	-2	8	-1.6	80	22
SWITZL	ZURICH	10	6	18	-1	8	-0.9	170	98
	GENEVA	12	8	18	-1	10	0.1	158	86
FRANCE	PARIS/ORLY	13	7	18	-1	10	***	85	**
	STRASBOURG	12	6	17	-1	9	-0.8	65	27
	BOURGES	13	6	19	0	10	-1.7	88	30
	BORDEAUX	15	10	22	5	12	-0.7	148	66
	TOULOUSE	15	10	23	3	12	-1.0	155	104
	MARSEILLE	18	11	26	4	15	-0.7	39	-45
SPAIN	VALLADOLID	15	8	24	0	11	-1.4	100	59
	MADRID	18	9	27	1	14	-1.1	72	19
	SEVILLE	23	12	32	7	18	-2.5	90	24
PORTUG	LISBON	19	13	27	8	16	-2.2	74	-2
GERMNY	HAMBURG	10	4	17	-3	7	-2.3	62	3
	BERLIN	10	4	17	-2	7	-2.9	39	-2
	DUSSELDORF	12	6	18	-1	9	-1.9	80	28
	LEIPZIG	11	4	17	-2	7	-2.0	52	9
	DRESDEN	11	4	19	-1	8	-1.4	50	-2
	STUTTGART	11	5	17	-3	8	-1.8	96	54
	NURNBERG	11	5	20	-3	8	-0.8	64	20
	MONICH	11	6	17	-1	8	0.4	107	43
AUSTRI	VIENNA	13	6	22	-3	9	-0.7	53	3
	INNSBRUCK	12	5	21	-4	9	-0.4	74	14
CZECH	PRAGUE	11	3	24	-5	7	-1.0	32	-6
POLAND	WARSAW	9	3	16	-3	6	-2.3	47	8
	LODZ	10	3	21	-4	6	-1.8	43	4
	KATOWICE	10	3	23	-4	7	-1.1	94	40
	PRZEMYSL	11	4	20	-3	8	-1.1	57	10
HUNGAR	BUDAPEST	14	7	23	-2	10	-0.7	67	28
F YUGO	BELGRADE	19	10	27	3	14	1.8	93	48
ROMANI	BUCHAREST	19	7	26	-1	13	1.1	16	-13
BULGAR	SOFTA	19	9	31	-3	14	2.8	40	14
ITALY	MILAN	17	9	29	2	13	0.4	150	36
	VERONA	16	8	24	0	12	-0.5	189	115
	VENICE	17	10	22	4	13	-0.2	142	64
	GENOA	17	12	20	6	14	-3.3	36	-136
	ROME	22	16	25	8	19	2.6	172	89
	NAPLES	23	16	29	8	20	3.7	104	-19
GREECE	THESSALONIKA	22	13	26	8	18	1.6	60	10
	LARISSA	26	12	34	7	19	2.8	38	-22
	ATHENS	25	18	29	15	22	1.9	6	-59
TURKEY	ISTANBUL	22	16	32	10	19	3.4	70	6
	ANKARA	21	5	29	-3	13	1.5	22	4
CYPRUS	LARNACA	28	15	32	13	22	0.2	1	-25
FSU	TALLINN	5	1	12	-8	3	-3.7	88	29
	LENINGRAD	4	0	11	-7	2	-3.5	40	-20
	KAUNAS	7	2	13	-5	4	-2.9	88	40
	MINSK	6	1	11	-5	4	-2.5	70	23
	KAZAN	4	0	17	-11	2	-1.0	75	32
	MOSCOW	4	0	13	-8	2	-2.6	119	63
	SVERDLOVSK	5	-1	16	-12	2	0.7	23	-13
	OMSK	8	0	17	-10	4	2.4	24	-6
	KUSTANAY	8	0	17	-9	4	1.4	58	32
	KRASNOYARSK	8	0	18	-12	4	3.4	19	-15
	NOVOSIBIRSK	7	0	18	-9	4	3.0	36	6
	BARNAUL	8	0	18	-8	4	1.5	35	-11
	KHABAROVSK	12	1	19	-5	7	2.1	11	-31
	VLADIVOSTOK	13	7	18	1	10	1.5	20	-43
	KIEV	10	4	21	-4	7	-1.1	61	22
	LVOV	10	3	17	-5	7	-1.2	88	40

Based on Preliminary Reports

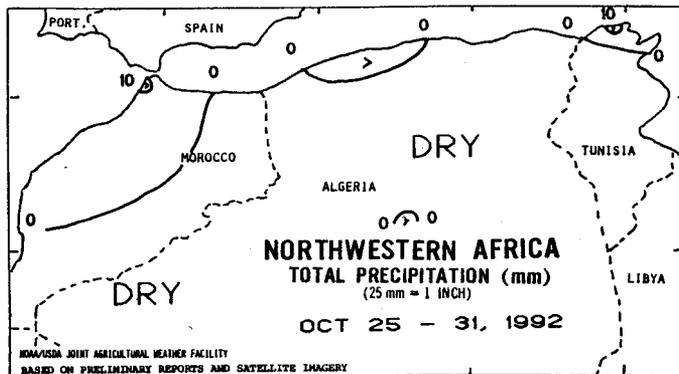




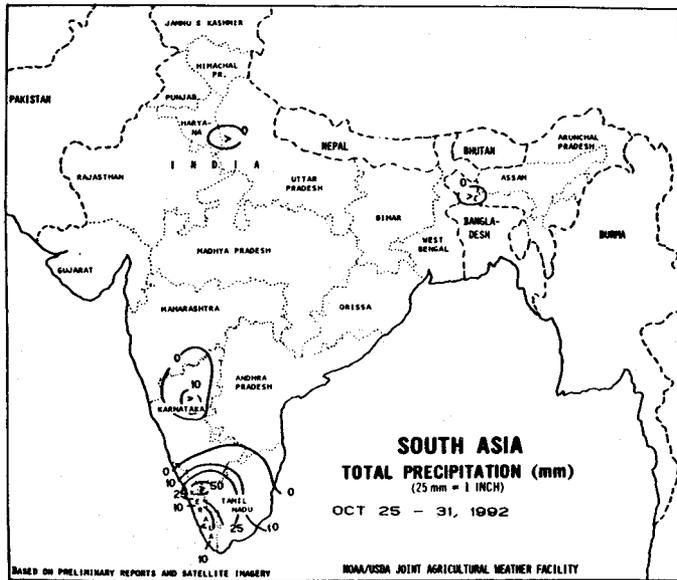
**FSU-WESTERN:** An active weather pattern continued again this week, producing widespread rain and snow in the south and north, respectively. Greatest amounts of precipitation (25-44 mm, with local amounts in excess of 50 mm) covered Lithuania, eastern Belarus, Central Region, and extreme western and eastern Ukraine. Winter grains were entering dormancy as far south as northern Ukraine and the northern tip of North Caucasus. Although light to moderate rain (10-50 mm) over Ukraine interrupted late-season corn, sunflower, and sugar beet harvests, it improved moisture for winter grain establishment. Average temperatures ranged from -2 to -9 degrees Celsius (3-8 degrees C below normal) in the north, and from 8 to 18 degrees C (2-4 degrees C above normal) in the extreme south. In south-central cotton growing areas, unseasonably warm, dry weather helped cotton maturation and harvest. Average temperatures were 4-6 degrees C above normal in the cotton growing areas.



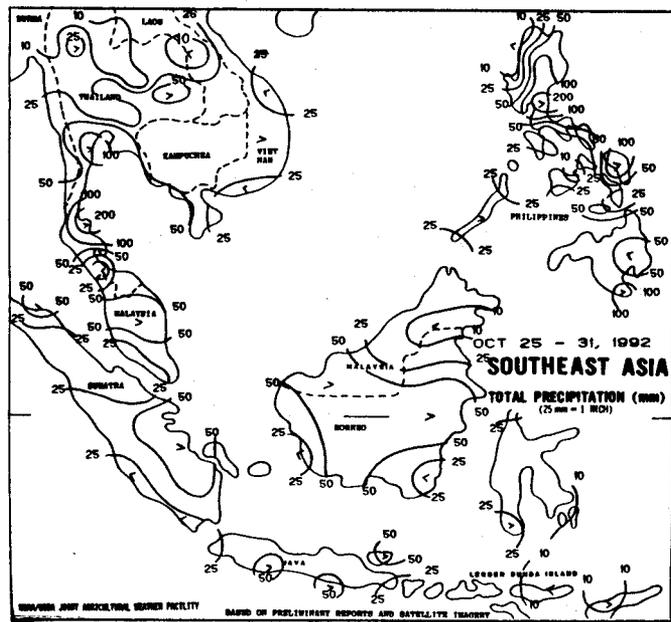
**EUROPE:** Widespread rain fell throughout Europe, delaying late corn harvesting in southern France, slowing sugar beet harvesting across the region, and providing beneficial soil moisture for winter crop emergence. The heaviest rain (50 mm or more) soaked northwestern Spain, southwestern France, the western portion of the Alpine region, north-central Italy, the northern Adriatic region, and western Hungary. Light rain (less than 10 mm) was confined mostly to southern portions of Spain and Italy, Greece, Bulgaria, and eastern Romania. Winter crop establishment may be hampered by deficient soil moisture in Bulgaria and eastern Romania. Elsewhere, rainfall averaged 10-50 mm across northern and central Europe, causing some fieldwork delays but replenishing topsoil moisture for winter grains. In Poland, totals generally ranged from 10 to 30 mm from north to south, respectively. Temperatures averaged 1-3 degrees C below normal across the northern half of Europe, and 1-4 degrees C above normal over the Mediterranean region.



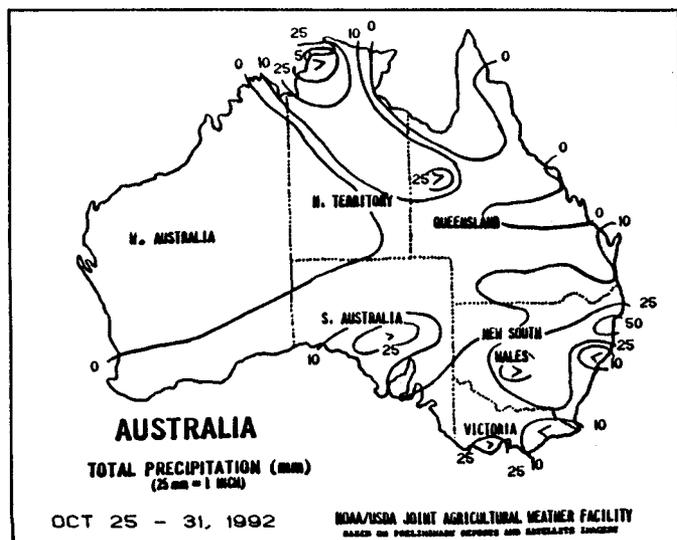
**NORTHWESTERN AFRICA:** Mostly dry weather covered winter grain areas in Morocco, Algeria, and Tunisia. Although light precipitation in recent weeks has helped to promote early-season fieldwork in some areas, soaking rain is needed to promote widespread planting. The bulk of winter grain planting over the region usually occurs from mid-November to mid-December.



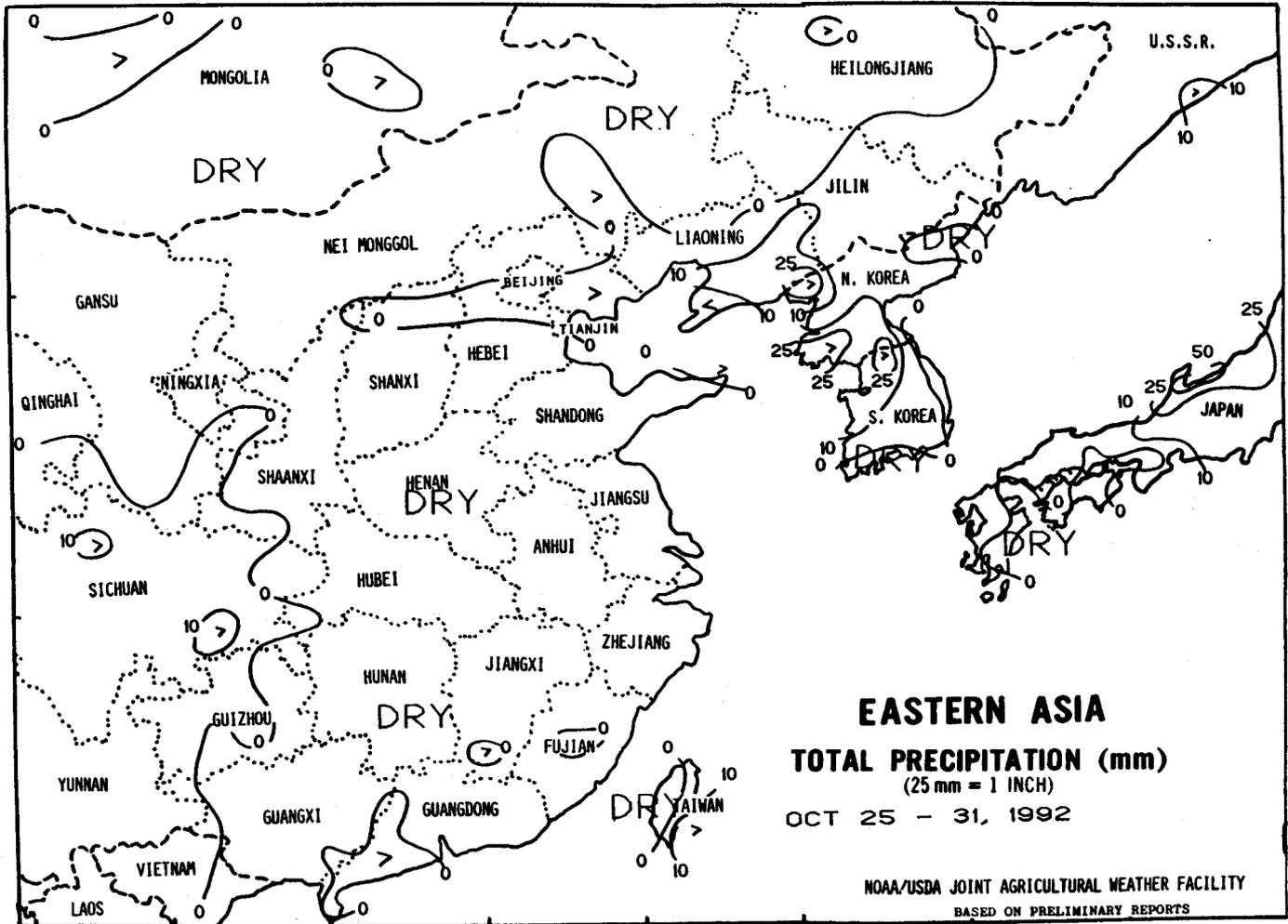
**SOUTH ASIA:** Dry, seasonably warm weather dominated the region, favoring summer crop harvests and, across the north, aiding fieldwork associated with winter wheat planting. However, fall crop regions of the southern interior should be receiving some of their heaviest rain of the season during November. Continuing dryness in upcoming weeks will negatively impact reproductive to filling grains, oilseeds, and cotton.



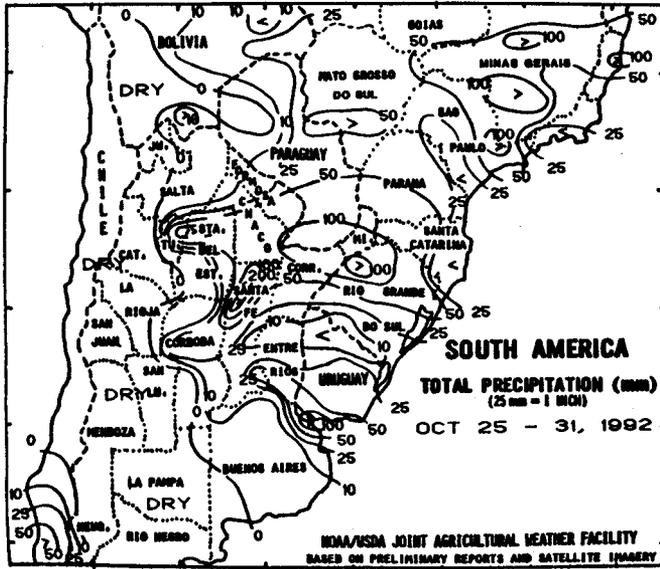
**SOUTHEAST ASIA:** Typhoon Colleen hit central Vietnam in approximately the same location that Tropical Storm Angela hit less than 1 week before, causing more coastal flooding and wind damage. Sustained winds were about 65 knots (75mph), and rainfall exceeded 200 mm over a broad area. As Colleen moved inland and dissipated, light to moderate showers (10-56 mm) fell over the Khorat Plateau, but only light rain (4-25 mm) covered Thailand's northern areas. The remnants of Typhoon Angela brought heavy showers (50-200 mm or more) to plantation crop and rice areas rimming the Gulf of Thailand. Further south, showers were highly variable over Indonesia and Malaysia, with inundating rains causing some flooding along west and south-coastal areas of Indonesia. In the Philippines, moderate to heavy showers (25-100 mm or more) covered the islands, due partly to Typhoon Colleen which hit east-coastal Luzon on October 26. The storm brought heavy rain, flooding, and some wind damage to mountainous areas along the coast. Elsewhere, the rainfall was welcomed for fall grains.



**AUSTRALIA:** Southern Queensland and northern New South Wales received light to moderate rain (10-20 mm), stabilizing wheat yield prospects, but additional moisture is still needed. Victoria, South Australia, and the rest of New South Wales reported light to moderate rain (13-63 mm), favoring reproductive winter wheat. Dry weather continued across the western wheat areas, but soil moisture reserves are still sufficient for reproductive wheat. Temperatures averaged 1-3 degrees above normal in the east and near normal across the west.



**EASTERN ASIA:** Dryness covered most of China, favoring winter wheat planting and late double-crop rice harvesting. Rainfall is needed across southern China to replenish irrigation supplies for winter crops. Temperatures averaged 1-3 degrees C above across most of China, favoring dry down of summer crops.



**SOUTH AMERICA:** Moderate to isolated heavy rain (23-201 mm) fell across northern and central Argentina, favoring soil moisture for germinating sunflowers and corn. However, the rains delayed summer crop planting and caused possible local flooding, especially in the northern cotton areas. The western wheat areas of southern Cordoba and La Pampa received little or no rain, causing some stress to reproductive winter wheat. Dry weather also prevailed across Buenos Aires, but soil moisture should still be adequate due to previous rains. Across both regions, the dryness aided early soybean planting. Moderate to heavy rain (35-118 mm) covered most of southern Brazil, keeping soils well-watered but delaying corn and soybean planting. Isolated heavier amounts (125-200 mm) caused flooding in northwestern Rio Grande do sul and portions of western Minas Gerais. Southern Paraguay received heavy rains (53-122 mm), delaying soybean and cotton planting. Due to recent heavy rains in northern Argentina, southern Paraguay, and south-central Brazil, flooding is a possibility along the Parana and Paraguay Rivers in Argentina. Temperatures averaged 1-2 degrees C below normal across Argentina and 1-3 degrees C above normal across southern Brazil.



**MEXICO:** Scattered light to moderate showers (4-31 mm) fell across the South Plateau corn belt, causing only minor corn harvesting delays. The drier weather was welcomed after persistent rains. Temperatures averaged 1-2 degrees C above normal across the corn belt, favoring dry down of summer crops.

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), 53d Congress, 3d 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.

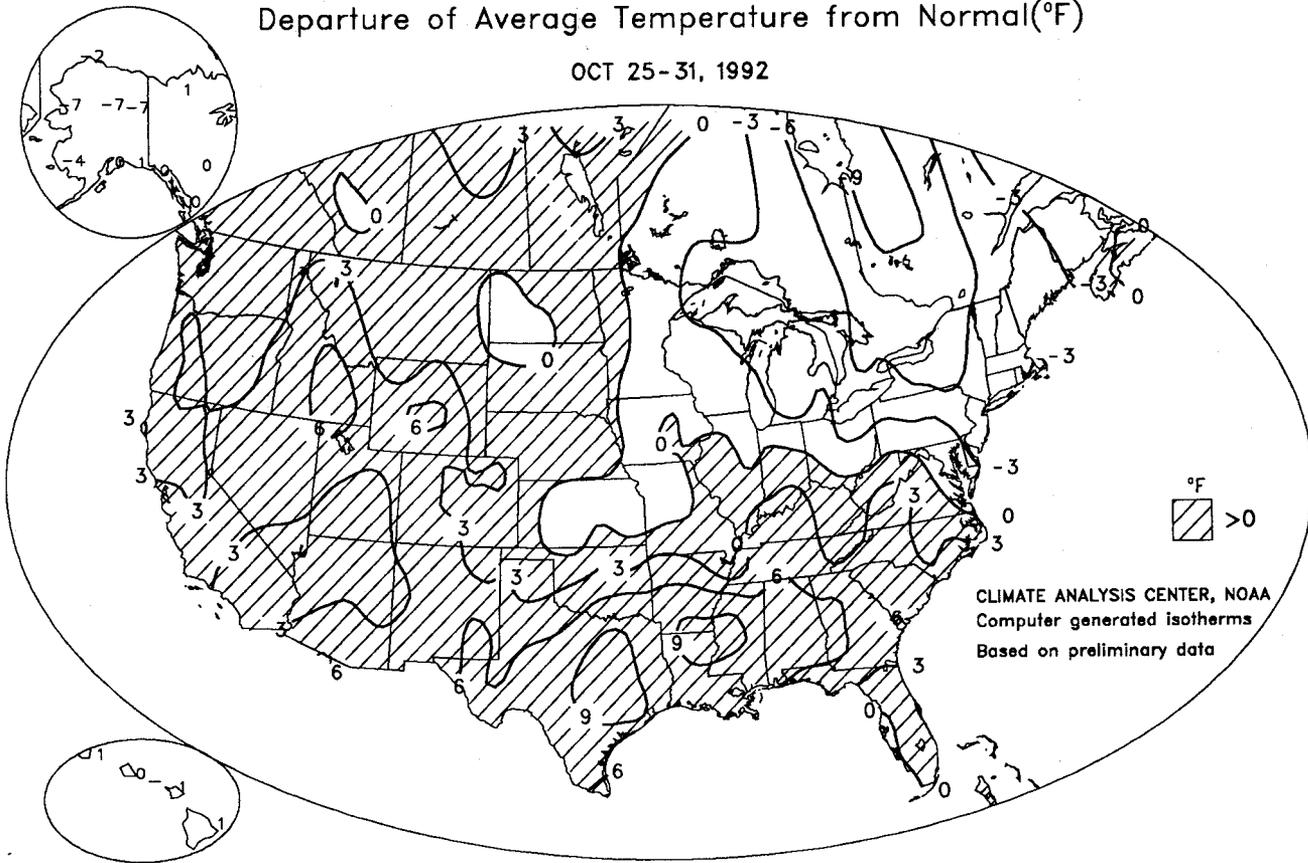
**U.S. DEPARTMENT OF COMMERCE**  
 National Oceanic and Atmospheric Administration  
 National Weather Service/Climate Analysis Center  
 Managing Editor . . . . . **Douglas Le Comte**  
 Meteorologists . . . . . **Brad Rippey** (202) 720-1444  
**Vilhelm Bjerknes, David Secora, Wes Byrd, and Brian Morris.**

Subscriptions . . . . . **Joyce Houston** (202) 720-7917

**U.S. DEPARTMENT OF AGRICULTURE**  
 Economics Management Staff  
 Editor . . . . . **Sharon Lee**  
 National Agricultural Statistics Service  
 Agricultural Statistician . . . **David Mueller** (202) 720-2157  
 World Agricultural Outlook Board  
 Agricultural Weather Analysts . **Ray Motha** (202) 720-9805  
**Tom Puterbaugh, Mark Brusberg, and Bob Stefanski.**

Departure of Average Temperature from Normal(°F)

OCT 25-31, 1992



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

**WEEKLY NEWS BULLETIN  
 FIRST CLASS**

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

OFFICIAL BUSINESS  
 PENALTY FOR PRIVATE USE, \$300