

WEEKLY WEATHER AND CROP BULLETIN

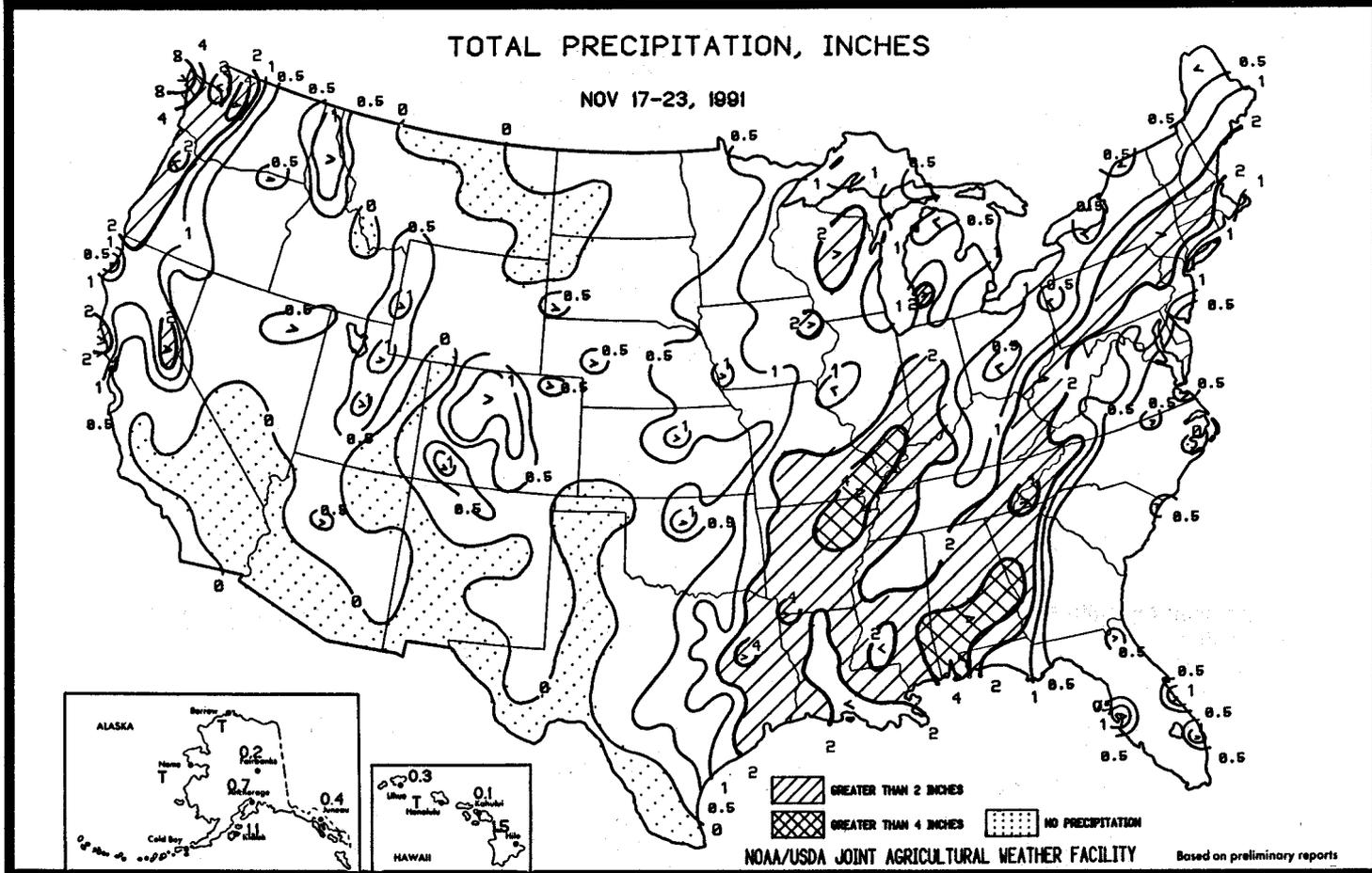
U.S. DEPARTMENT OF COMMERCE
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HIGHLIGHTS

November 17 - 23, 1991

Two storm systems delivered windy and wet weather to the Northwest, snow to the central Rockies, and a variety of weather to the Central and Eastern United States. Dry weather prevailed in the Southwest, northern Plains, and coastal Southeast. For most of the week, cool air poured into the West, while mild, moisture-laden air surged into the East. On Sunday, the remnants of last week's Rockies storm drifted into Ontario, producing a final day of significant precipitation from eastern Texas to Wisconsin. Rainfall totaled 3 inches in Houston, TX, and 1 inch in Wausau, WI. Meanwhile, the first of two Pacific-origin storms reached the West. It dropped 7 inches of rain in Quillayute, WA, and deposited up to 3 feet of snow in the Sierra Nevada of California. Farther south and east, winds gusted to 100 mph in Mojave, CA, and substantial snow fell in Utah and Colorado. As the

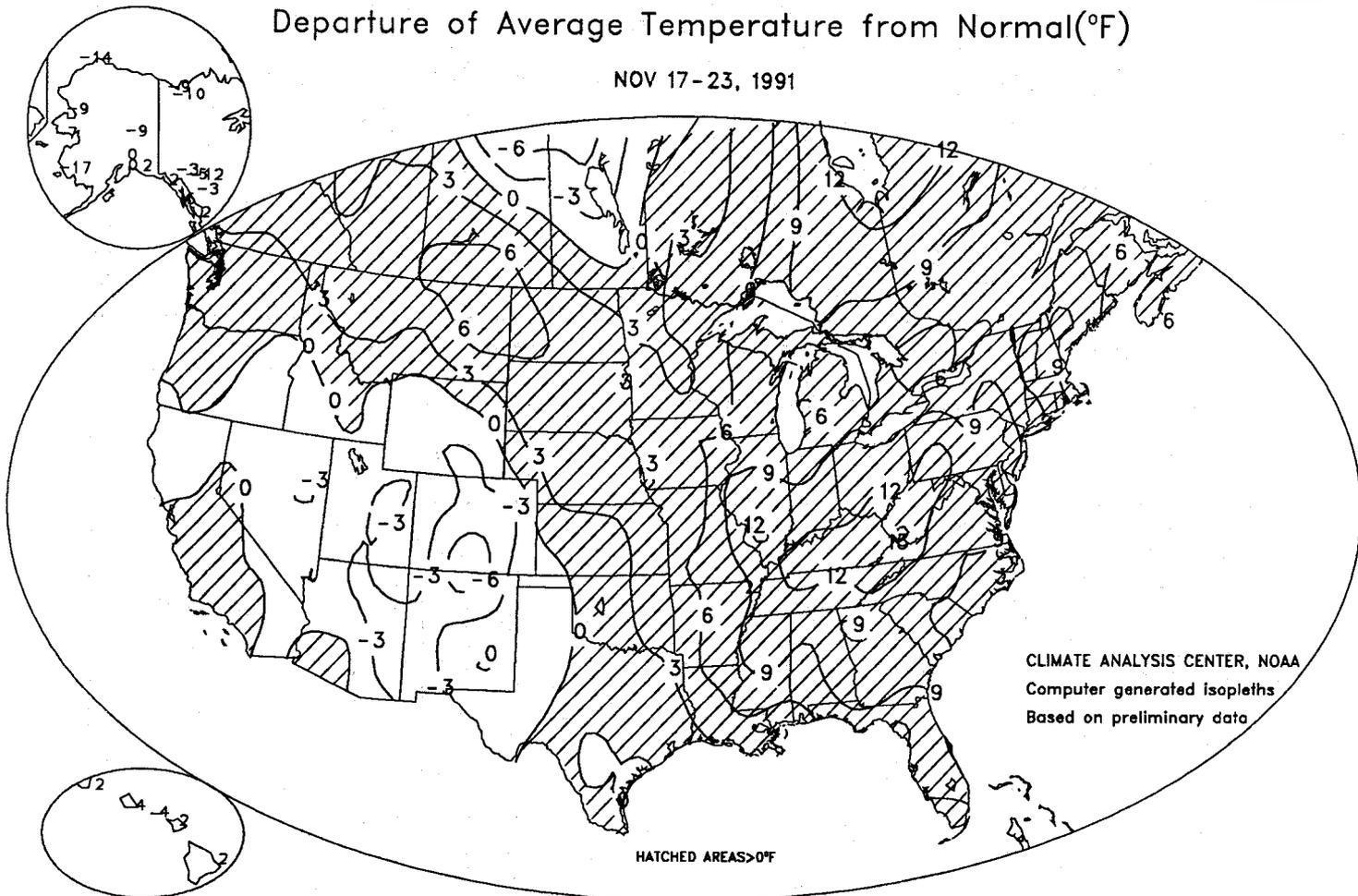
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Contents

	Page
Highlights & Total Precipitation Map	1
Temperature Departure & Extreme Minimum Temperature Maps	2
National Weather Data for Selected Cities	3
National Agricultural Summary	6
Crop Progress and Condition Tables	7
State Summaries of Weather and Agriculture	8
Snow Cover Map	12
International Weather and Crop Summary	13
Subscription and Mailing Permit Information ..	16

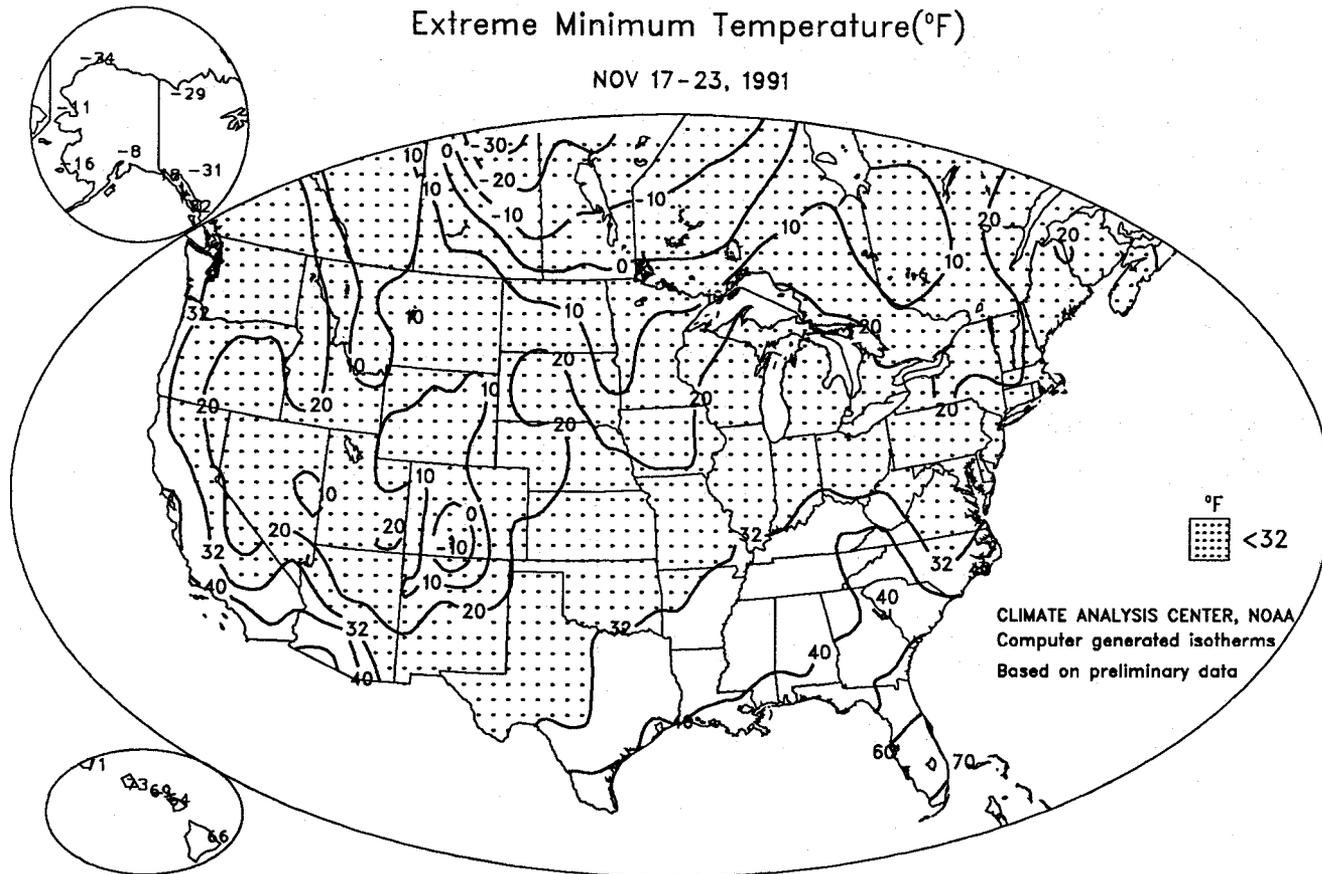
Departure of Average Temperature from Normal(°F)

NOV 17-23, 1991



Extreme Minimum Temperature(°F)

NOV 17-23, 1991



National Weather Data for Selected Cities

Weather Data for the Week Ending November 23, 1991

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	TEMP. °F		PRECIP.	
																			.01 INCH OR MORE	.50 INCH OR MORE	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	66	53	76	37	60	9	2.7	1.8	1.3	7.1	74	49.4	102	92	67	0	0	0	4	2		
MOBILE	70	55	78	42	62	5	5.5	4.6	2.3	8.5	72	78.6	136	100	74	0	0	0	4	3		
MONTGOMERY	73	52	81	39	63	9	4.9	4.2	3.2	10.5	116	62.1	144	97	63	0	0	3	2	0		
AK ANCHORAGE	24	16	28	7	20	0	.7	.5	.4	6.3	128	14.9	110	93	71	0	7	4	0	0		
BARROW	-9	-27	-3	-34	-18	-15	T	-1.1	T	.8	61	1.8	41	80	68	0	7	0	0	0		
FAIRBANKS	-1	-16	9	-25	-9	-10	.2	.0	.1	2.1	87	8.1	86	82	71	0	7	4	0	0		
JUNEAU	39	28	44	17	33	2	1.3	.2	.9	29.7	163	71.2	151	98	72	0	5	3	1	1		
KODIAK	34	28	39	20	31	-3	1.1	-.3	.6	32.6	184	87.5	162	90	62	0	6	5	5	1		
NOME	15	-2	18	-7	7	-8	T	-2.2	T	5.0	117	13.6	99	86	61	0	7	0	0	0		
AZ PHOENIX	71	48	76	46	60	1	.0	-.1	.0	2.8	176	6.3	106	59	19	0	0	0	0	0		
PRESCOTT	54	25	62	20	40	-3	-.1	-.2	-.1	3.6	97	13.3	79	78	29	0	7	1	0	0		
TUCSON	70	40	78	37	55	-2	.0	-.1	.0	2.9	108	9.1	92	72	18	0	0	0	0	0		
YUMA	75	53	78	49	64	2	.0	.0	.0	.5	76	2.3	112	38	15	0	0	0	0	0		
AR FORT SMITH	62	42	76	32	52	4	1.8	1.0	1.0	16.6	182	40.8	113	92	52	0	2	3	2	2		
LITTLE ROCK	64	50	72	35	57	7	2.8	1.7	1.9	12.8	124	53.1	122	85	65	0	0	4	2	2		
CA BAKERSFIELD	65	43	75	37	54	0	T	-.2	T	.3	34	4.9	102	83	37	0	0	0	0	0		
BUREKA	58	45	64	37	52	1	.4	-1.1	.3	2.4	30	20.1	66	90	66	0	0	3	0	0		
FRESNO	64	43	70	37	54	2	T	-.3	T	.8	58	9.3	110	95	43	0	0	2	0	0		
LOS ANGELES	73	52	81	49	63	2	T	-.4	T	.2	10	8.2	83	75	24	0	0	0	0	0		
REDDING	60	41	66	35	50	-2	1.0	-.4	.6	3.2	45	20.5	63	90	45	0	0	3	1	0		
SACRAMENTO	62	43	64	36	52	1	.2	-.4	.2	1.5	53	14.2	105	95	49	0	0	1	0	0		
SAN DIEGO	71	51	76	48	61	0	.1	-.2	-.1	1.0	79	11.9	157	81	37	0	0	1	0	0		
SAN FRANCISCO	63	48	65	42	56	2	.2	-.4	.2	2.0	69	13.3	87	91	47	0	0	1	0	0		
CO DENVER	45	21	54	12	33	-4	1.5	1.3	-.5	4.1	147	20.1	140	94	44	0	7	5	1	1		
GRAND JUNCTION	42	28	48	18	35	-2	.3	-.1	.3	4.5	220	8.6	121	89	49	0	6	2	0	0		
PUEBLO	43	23	56	8	33	-5	1.1	1.0	.6	4.0	201	13.3	127	89	54	0	7	4	1	1		
CT BRIDGEPORT	57	44	65	30	50	7	1.5	.6	1.5	7.5	79	35.5	97	86	64	0	2	2	1	1		
HARTFORD	57	40	73	21	48	8	2.5	1.6	1.8	12.4	119	43.9	112	85	53	0	2	3	2	2		
DC WASHINGTON	66	49	77	32	57	10	.5	-.2	.5	6.3	77	24.5	70	89	54	0	1	2	1	1		
FL APALACHICOLA	74	59	77	49	66	7	.6	-.1	.6	3.5	25	89.3	176	98	70	0	0	1	1	1		
DAYTONA BEACH	80	65	84	58	72	8	.2	-.4	.1	9.0	67	65.6	144	96	63	0	0	2	0	0		
JACKSONVILLE	77	59	84	52	68	8	.1	-.3	.1	13.2	114	79.0	162	97	62	0	0	3	0	0		
KEY WEST	82	75	84	72	79	4	.4	-.6	.1	12.6	91	40.5	110	88	69	0	0	0	0	0		
MIAMI	83	72	85	70	78	5	.3	-.2	.3	33.3	191	70.6	128	87	61	0	0	2	0	0		
ORLANDO	81	65	84	63	73	7	.3	-.3	.2	9.5	88	60.6	129	98	59	0	0	1	0	0		
TALLAHASSEE	78	55	83	43	66	9	.3	-.5	.2	2.7	23	70.7	120	97	53	0	0	2	0	0		
TAMPA	83	65	85	59	74	8	1.2	.8	1.2	5.5	55	42.5	97	100	58	0	0	2	1	0		
WEST PALM BEACH	83	70	85	67	76	5	1.0	.4	.5	15.2	76	74.3	131	95	63	0	0	4	0	0		
GA ATLANTA	67	52	74	40	59	9	2.7	1.9	2.4	5.6	69	53.2	123	96	66	0	0	4	1	1		
AUGUSTA	75	51	82	38	63	11	-.1	-.4	-.1	3.3	48	53.9	138	98	47	0	0	2	0	0		
MACON	76	53	81	39	64	10	-.2	-.3	-.2	1.6	23	48.6	122	98	50	0	0	2	0	0		
SAVANNAH	76	58	82	51	67	11	T	-.4	T	3.2	36	66.6	143	97	57	0	0	1	0	0		
HI HILO	83	68	86	66	76	2	1.5	-2.1	1.0	17.8	64	134.2	120	98	66	0	0	6	1	1		
HONOLULU	87	74	88	73	80	4	T	-.8	T	4.3	88	15.4	81	81	51	0	0	0	0	0		
KAHULUI	85	70	88	65	77	2	.1	-.5	.0	1.4	52	10.7	72	89	61	0	0	2	0	0		
LIHUE	81	73	82	71	77	3	.3	-1.0	.2	5.9	54	30.1	81	92	70	0	0	2	0	0		
ID BOISE	45	30	50	25	37	-1	.4	-.1	.2	2.5	111	8.7	89	95	53	0	5	4	0	0		
LEWISTON	46	34	50	29	40	1	.3	.0	-.1	1.3	49	9.8	87	88	58	0	3	4	0	0		
POCATELLO	40	28	44	13	34	1	.2	.1	.2	2.6	116	13.0	136	90	51	0	5	3	0	0		
IL CHICAGO	55	34	70	24	45	6	1.0	.4	.5	12.1	158	32.5	104	97	60	0	3	5	0	0		
MOLINE	54	33	66	23	44	7	1.5	1.1	.7	11.4	144	30.7	89	98	63	0	4	5	1	1		
PEORIA	57	37	69	22	47	9	1.0	.6	.6	13.6	177	33.2	102	100	67	0	2	5	1	1		
QUINCY	56	39	70	21	48	8	.8	-.3	.5	11.8	129	34.3	97	93	63	0	2	5	0	0		
ROCKFORD	54	34	65	24	44	9	1.1	.6	.3	11.6	139	28.6	84	95	60	0	3	5	0	0		
SPRINGFIELD	59	41	70	23	50	10	1.7	1.3	1.0	13.6	186	36.1	115	100	69	0	2	3	1	1		
IN EVANSVILLE	60	48	70	32	54	11	2.0	1.2	1.4	8.3	108	27.9	75	96	70	0	1	3	1	1		
FORT WAYNE	54	42	65	28	48	10	1.9	1.3	.9	13.9	196	42.3	135	96	78	0	2	4	2	2		
INDIANAPOLIS	57	44	68	28	51	11	2.5	1.8	1.4	9.7	130	35.2	100	95	72	0	1	4	2	2		
SOUTH BEND	55	35	69	24	45	7	1.0	.4	.5	13.4	156	33.9	99	96	63	0	4	5	1	1		
IA DES MOINES	47	32	56	18	40	3	1.9	1.5	.6	8.9	138	37.0	126	93	68	0	4	5	1	1		
SIOUX CITY	47	30	55	19	38	4	.5	.3	.4	5.0	100	23.4	96	92	61	0	4	3	0	0		
WATERLOO	48	31	56	20	39	6	2.0	1.6	.8	11.2	157	41.2	131	96	66	0	3	4	2	2		
KS CONCORDIA	51	33	61	24	42	2	.5	.3	.2	2.9	52	18.1	69	91	58	0	3	3	0	0		
DODGE CITY	51	30	63	24	41	1	-.1	-.1	-.1	2.8	76	9.9	50	89	45	0	6	1	0	0		
GOODLAND	46	28	61	20	37	1	.4	-.3	.2	2.8	102	21.9	141	91	49	0	6	5	0	0		
TOPEKA	54	36	64	24	45	5	.5	-.1	.3	7.5	97	26.7	84	95	55	0	2	5	0	0		
WICHITA	53	36	60	26	45	2	.2	-.1	.1	5.5	77	24.7	90	92	53	0	2	3	0	0		
KY BOWLING GREEN	65	52	72	33	58	14	2.4	1.5	1.4	9.5	106	40.8	94	98	69	0	0	4	2	2		
LEXINGTON	62	49	70	35	56	13	.9	.0	.5	5.9	74	34.4	84	95	74	0	0	3	0	0		
LOUISVILLE	63	50	70	35	56	12	1.1	.2	.9	6.7	79	32.8	84	91	67	0	0	4	1	1		
LA ALEXANDRIA	68	51	82	38	60	4	2.3	.2	.7	9.1	102	68.2	147	94	57	0	0	4	1	1		
BATON ROUGE	73	55	86	41	64	7	1.2	1.4	1.9	11.5	116	68.6	138	97	57	0	0	4	1	1		
LAKE CHARLES	69	54	79	41	62	3	2.7	1.7	1.4	10.1	81	68.1	142	98	62	0	0	4	2	2		
NEW ORLEANS	73	55	83	40	64	5	2.0	1.0	1.3	7.5	66	99.8	188	99	64	0	0	3	2	2		

Based on 1951-80 normals

Weather Data for the Week Ending November 23, 1991

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
SHREVEPORT	68	49	81	35	59	5	3.2	2.3	1.9	10.7	122	74.2	191	94	53	0	0	0	0	3	2	
ME CARIBOU	43	28	54	19	35	6	.1	-.7	.0	9.0	100	32.7	101	83	58	0	0	0	0	0	0	
PORTLAND	55	37	71	23	46	9	2.0	.8	1.1	12.2	115	52.7	140	86	53	0	0	0	0	0	0	
MD BALTIMORE	64	43	74	25	53	9	1.2	.4	1.0	7.9	89	26.2	70	93	54	0	0	0	0	0	0	
SALISBURY	67	46	74	23	56	10	.1	-.6	.1	7.6	76	40.0	98	92	49	0	0	0	0	0	0	
MA BOSTON	58	43	73	31	51	7	1.6	.6	.8	14.4	146	39.4	104	78	54	0	0	0	0	0	0	
CHATHAM	52	43	58	32	48	4	.8	-.3	.6	12.5	116	34.8	86	88	70	0	0	0	0	0	0	
MI ALPENA	51	31	63	18	41	7	.4	-.1	.2	9.7	142	31.8	126	98	60	0	0	0	0	0	0	
DETROIT	54	41	64	27	48	10	1.4	.8	.9	7.0	115	27.1	98	92	70	0	0	0	0	0	0	
FLINT	55	35	67	22	45	8	.9	.4	.8	5.7	92	28.0	106	97	65	0	0	0	0	0	0	
GRAND RAPIDS	54	35	67	25	44	7	2.0	1.4	1.4	12.9	160	40.2	133	96	64	0	0	0	0	0	0	
HOUGHTON LAKE	49	30	60	20	40	7	.5	.0	.2	14.2	210	35.1	138	94	59	0	0	0	0	0	0	
LANSING	54	32	67	20	43	6	.6	.1	.5	6.3	96	27.2	102	97	64	0	0	0	0	0	0	
MARQUETTE	44	29	51	25	37	9	2.0	1.3	1.6	11.1	117	32.9	97	94	69	0	0	0	0	0	0	
MUSKEGON	52	32	62	24	42	5	.7	-.1	.2	13.3	168	37.9	135	96	63	0	0	0	0	0	0	
SAULT ST. MARIE	48	32	56	23	40	9	.4	-.3	.3	11.6	126	28.9	97	95	64	0	0	0	0	0	0	
MN ALEXANDRIA	37	23	47	11	30	4	.1	-.1	.1	5.7	112	27.6	117	95	68	0	0	0	0	0	0	
DULUTH	36	24	43	12	30	4	1.3	1.0	.8	15.0	223	40.7	147	94	70	0	0	0	0	0	0	
INT'L FALLS	35	21	46	8	28	6	.6	.4	.4	8.1	138	26.8	117	93	65	0	0	0	0	0	0	
MINNEAPOLIS	39	27	46	19	33	3	1.2	1.0	.7	11.6	218	34.0	136	96	68	0	0	0	0	0	0	
ROCHESTER	42	28	50	17	35	4	1.3	1.0	.7	8.4	122	33.6	124	98	75	0	0	0	0	0	0	
MS GREENWOOD	70	54	84	36	62	10	1.8	.7	1.1	8.5	90	58.0	125	93	57	0	0	0	0	0	0	
JACKSON	71	53	84	36	62	9	2.0	1.0	1.6	8.5	97	57.5	127	97	58	0	0	0	0	0	0	
MERIDIAN	69	53	76	37	61	8	4.3	3.4	3.5	12.2	141	66.7	143	96	66	0	0	0	0	0	0	
MO CAPE GIRARDEAU	62	48	71	33	56	8	5.6	4.7	5.3	14.0	157	42.1	105	96	66	0	0	0	0	0	0	
COLUMBIA	57	39	72	25	48	7	1.3	.8	.9	9.7	109	31.5	92	92	54	0	0	0	0	0	0	
KANSAS CITY	53	36	64	23	45	2	.7	.3	.4	7.4	82	26.1	76	91	53	0	0	0	0	0	0	
SAINT LOUIS	63	45	75	30	54	11	1.5	.9	1.4	11.4	165	30.9	100	93	56	0	0	0	0	0	0	
SPRINGFIELD	58	40	73	27	49	6	2.5	1.8	1.5	10.6	110	33.6	93	95	54	0	0	0	0	0	0	
MT BILLINGS	45	30	55	20	38	6	.7	.2	.2	5.0	164	20.1	144	75	37	0	0	0	0	0	0	
GLASGOW	43	23	55	15	33	4	.1	.0	.1	1.1	68	10.8	104	86	52	0	0	0	0	0	0	
GREAT FALLS	44	26	53	17	35	3	.1	-.1	.1	2.5	104	13.9	99	78	38	0	0	0	0	0	0	
HAVRE	45	26	56	13	36	7	.0	-.1	.0	.5	28	9.0	81	81	45	0	0	0	0	0	0	
HELENA	44	27	53	13	35	6	.0	-.1	.0	2.1	109	10.5	98	77	39	0	0	0	0	0	0	
KALISPELL	41	28	49	16	35	5	.2	-.1	.1	3.1	102	13.9	100	93	56	0	0	0	0	0	0	
MILES CITY	47	27	60	19	37	7	.1	-.1	.1	4.6	187	19.9	148	85	44	0	0	0	0	0	0	
MISSOULA	41	28	50	16	34	4	.2	.0	.1	1.3	53	9.8	84	94	57	0	0	0	0	0	0	
NE GRAND ISLAND	50	29	62	22	39	4	.5	.3	.4	3.5	83	27.2	122	90	52	0	0	0	0	0	0	
LINCOLN	51	31	60	23	41	5	.7	.5	.5	4.3	79	22.4	86	91	55	0	0	0	0	0	0	
NORFOLK	49	29	58	19	39	5	.8	.6	.7	5.0	125	27.6	121	93	53	0	0	0	0	0	0	
NORTH PLATTE	49	25	60	17	37	4	.1	-.1	.1	4.7	158	19.7	105	92	45	0	0	0	0	0	0	
OMAHA	48	32	55	20	40	3	.7	.4	.5	6.1	92	34.8	119	90	68	0	0	0	0	0	0	
SCOTTSBLUFF	45	24	58	14	35	1	.2	.1	.1	2.7	123	14.3	102	93	46	0	0	0	0	0	0	
VALENTINE	46	24	60	18	35	3	.1	.0	.1	2.7	106	21.3	127	94	48	0	0	0	0	0	0	
NV ELY	43	14	52	6	29	-4	.3	.2	.2	2.8	158	9.7	121	91	50	0	0	0	0	0	0	
LAS VEGAS	61	41	65	34	51	-1	.0	-.1	.0	.5	57	3.8	106	64	22	0	0	0	0	0	0	
RENO	50	28	58	22	39	1	.4	.2	.3	1.6	172	4.9	85	93	43	0	0	0	0	0	0	
WINNEMUCCA	47	26	51	11	36	0	.2	.0	.2	1.9	131	6.8	103	86	42	0	0	0	0	0	0	
NH CONCORD	57	36	76	23	47	11	2.0	1.1	1.5	13.3	148	35.5	110	88	52	0	0	0	0	0	0	
NJ ATLANTIC CITY	64	43	75	22	53	9	.2	-.7	.2	4.7	54	30.7	82	92	52	0	0	0	0	0	0	
NM ALBUQUERQUE	50	30	58	25	40	-2	.0	-.1	.1	3.5	180	10.0	137	72	30	0	0	0	0	0	0	
CLOVIS	54	30	67	24	42	-3	.0	.0	.0	5.1	125	21.4	130	82	36	0	0	0	0	0	0	
ROSWELL	61	32	75	27	46	1	.1	.0	.1	5.2	168	18.6	184	82	28	0	0	0	0	0	0	
NY ALBANY	54	39	72	18	47	9	2.6	1.9	2.3	11.7	138	32.6	102	89	58	0	0	0	0	0	0	
BINGHAMTON	55	39	73	22	47	11	2.5	1.8	1.8	8.5	97	30.4	92	88	61	0	0	0	0	0	0	
BUFFALO	54	39	70	22	46	7	.5	-.3	.4	8.6	95	34.6	105	94	62	0	0	0	0	0	0	
NEW YORK	62	48	74	35	55	10	.7	-.2	.6	6.0	63	34.2	90	78	52	0	0	0	0	0	0	
ROCHESTER	53	38	72	21	46	7	.2	-.5	.1	5.9	81	25.3	90	91	61	0	0	0	0	0	0	
SYRACUSE	54	38	75	20	46	7	.6	-.2	.4	8.5	95	32.9	95	94	55	0	0	0	0	0	0	
NC ASHEVILLE	63	47	67	40	55	10	1.8	1.0	1.5	3.5	38	37.5	94	96	60	0	0	0	0	0	0	
CHARLOTTE	70	52	77	43	61	11	.2	-.5	.2	4.0	47	41.2	106	88	47	0	0	0	0	0	0	
GREENSBORO	67	49	75	39	58	11	.2	-.4	.2	7.4	84	39.1	102	89	48	0	0	0	0	0	0	
HATTERAS	70	57	76	47	63	8	.4	-.8	.2	10.4	72	60.0	120	90	59	0	0	0	0	0	0	
NEW BERN	73	49	78	36	61	8	.0	-.7	.7	9.8	86	46.8	96	91	51	0	0	0	0	0	0	
RALEIGH	70	47	78	30	59	10	.1	-.6	.1	5.3	65	32.8	87	91	48	0	0	0	0	0	0	
WILMINGTON	72	50	79	37	61	7	.3	-.4	.2	7.2	65	55.2	112	96	58	0	0	0	0	0	0	
ND BISMARCK	39	25	51	16	32	6	.4	-.3	.3	5.5	217	16.6	114	92	60	0	0	0	0	0	0	
FARGO	37	21	49	6	29	3	.1	-.1	.0	2.3	62	20.4	110	93	65	0	0	0	0	0	0	
GRAND FORKS	33	21	44	4	27	4	.2	.0	.1	5.8	154	21.2	121	92	70	0	0	0	0	0	0	
WILLISTON	43	23	53	15	33	7	.0	-.1	.1	3.6	147	17.4	136	92	57	0	0	0	0	0	0	
OH AKRON-CANTON	56	41	66	24	48	9	.7	.0	.4	5.7	80	20.5	63	90	59	0	0	0	0	0	0	
CINCINNATI	60	45	67	32	53	11	.6	-.2	.4	5.0	64	34.1	94	93	66	0	0	0	0	0	0	
CLEVELAND	56	42	68	28	49	9	1.0	.3	.4	8.7	117	30.2	95	94	65	0	0	0	0	0	0	
COLUMBUS	60	44	68	23	52	12	.4	-.3	.2	6.4	97	28.2	84	87	58	0	0	0	0	0	0	

Based on 1951-80 normals

Weather Data for the Week Ending November 23, 1991

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	TEMP. °F		PRECIP.	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	57	43	65	30	50	10	.9	.3	.7	6.1	96	32.8	104	92	66	0	2	4	1
TOLEDO	55	41	64	24	48	10	1.5	.9	1.1	8.1	130	25.4	90	96	71	0	2	4	1
YOUNGSTOWN	55	42	68	23	49	10	.3	.3	.3	5.3	67	22.4	67	89	62	0	1	3	0
OK OKLAHOMA CITY	58	39	72	31	49	2	.1	.1	1.7	240	37.7	129	87	41	0	1	3	0	
TULSA	61	42	76	32	52	4	.3	.3	13.2	135	28.9	80	86	40	0	1	3	0	
OR ASTORIA	52	42	57	35	47	1	2.7	.2	1.5	10.3	61	48.0	86	98	63	0	0	6	1
BURNS	42	23	46	13	33	-1	.4	.1	.4	.7	33	5.1	62	91	52	0	6	2	0
MEDFORD	52	36	57	28	44	2	1.1	.4	.7	2.2	49	12.8	83	99	65	0	2	4	1
FENDLETON	49	35	56	29	42	3	.6	.2	.4	2.7	103	11.9	119	83	51	0	2	4	0
PORTLAND	52	42	56	34	47	3	2.2	.9	.8	6.5	77	27.9	95	96	56	0	0	6	2
SALEM	52	40	55	31	46	2	1.9	.5	.7	6.3	69	28.3	90	92	68	0	1	6	1
PA ALLENTOWN	60	42	71	24	51	10	2.0	1.1	1.5	8.4	85	30.9	78	87	55	0	2	2	1
ERIE	55	44	70	30	49	9	.9	.0	.4	8.3	79	27.4	77	89	61	0	1	6	0
HARRISBURG	60	45	73	25	52	10	1.6	.8	.8	6.7	76	28.4	81	86	56	0	2	2	2
PHILADELPHIA	62	45	72	29	53	9	1.1	.3	1.1	6.7	77	32.3	87	85	54	0	2	2	1
PITTSBURGH	59	44	70	29	52	12	.8	.2	.6	5.8	83	28.2	85	92	61	0	2	4	1
SCRANTON	57	40	71	22	48	9	3.0	2.3	2.1	8.8	106	27.6	87	90	59	0	2	2	2
RI PROVIDENCE	60	42	72	25	51	9	1.6	.6	1.1	11.9	115	42.1	106	80	53	0	2	3	1
SC CHARLESTON	74	57	79	49	66	10	.2	.3	.2	4.7	50	48.1	101	95	59	0	0	2	0
COLUMBIA	75	51	83	41	63	10	.1	.5	1	4.4	51	59.8	133	95	47	0	0	2	0
FLORENCE	74	50	80	40	62	9	.1	.4	.1	6.1	75	42.7	106	94	55	0	0	2	0
GREENVILLE	67	49	76	40	58	9	.5	.3	.3	3.0	29	44.4	96	93	54	0	0	3	0
SD ABERDEEN	43	23	52	15	33	5	-1	.0	.1	1.8	62	22.8	134	93	56	0	7	1	0
HURON	45	25	55	14	35	5	.3	.1	.3	3.3	101	22.9	129	89	54	0	7	1	0
RAPID CITY	46	26	57	21	36	3	.2	.1	.1	2.0	93	17.0	109	88	47	0	6	3	0
SIOUX FALLS	43	27	53	13	35	4	.8	.6	.5	6.7	134	26.6	116	94	65	0	4	3	1
TN CHATTANOOGA	64	52	75	38	58	11	3.4	2.4	1.7	6.9	67	47.4	102	96	67	0	0	4	3
KNOXVILLE	68	51	77	41	60	13	3.7	2.8	2.0	8.6	101	47.1	114	98	63	0	0	3	2
MEMPHIS	67	52	76	34	59	10	3.7	2.6	2.9	9.9	109	52.5	116	93	62	0	0	3	2
NASHVILLE	65	53	76	32	59	12	1.0	.1	.5	10.6	120	37.4	88	97	73	0	1	3	0
TX ABILENE	63	41	77	28	52	0	.1	.2	1	8.8	137	27.1	122	82	29	0	1	2	0
AMARILLO	56	30	66	23	43	-1	T	.1	T	3.4	94	13.7	75	85	33	0	5	0	0
AUSTIN	71	46	80	40	58	1	.8	.3	T	6.2	72	38.1	132	83	34	0	0	2	1
BEAUMONT	70	53	79	38	61	2	2.7	1.6	1.9	14.4	118	69.5	142	95	60	0	0	4	2
BROWNSVILLE	78	55	86	42	67	0	T	.3	T	9.1	91	29.5	124	88	42	0	0	0	0
CORPUS CHRISTI	75	49	87	38	62	-2	.3	.0	.3	10.5	100	38.3	130	89	39	0	0	1	0
DEL RIO	71	46	78	35	59	1	.0	.2	.0	8.7	153	19.0	115	69	26	0	0	0	0
EL PASO	62	37	71	29	50	0	.0	.1	.0	2.5	108	8.9	124	65	20	0	2	0	0
FORT WORTH	66	45	79	35	55	2	.7	.3	4	14.9	185	44.7	155	85	40	0	0	2	0
GALVESTON	69	56	75	47	63	1	2.9	2.2	2.5	11.7	106	56.6	157	87	59	0	0	3	1
HOUSTON	69	49	79	40	59	0	3.4	2.6	3.3	10.3	88	51.6	124	96	55	0	0	3	1
LUBBOCK	58	34	70	26	46	0	.0	.1	T	8.4	195	21.8	128	84	32	0	0	2	0
MIDLAND	63	36	75	30	49	-1	T	.1	T	5.3	133	21.4	166	73	26	0	2	1	0
SAN ANGELO	67	39	79	28	53	0	T	.2	T	8.4	143	20.4	119	84	31	0	2	1	0
SAN ANTONIO	72	42	79	33	57	-1	.4	.1	.4	2.8	33	28.8	107	83	30	0	0	1	0
VICTORIA	74	47	86	36	60	-1	.5	.0	.5	7.0	62	50.4	147	91	41	0	0	2	0
WACO	69	45	81	34	57	1	.9	.4	.7	9.1	114	37.2	131	87	40	0	0	2	1
WICHITA FALLS	64	41	78	31	52	2	.1	.2	1	13.0	183	29.0	116	81	33	0	1	2	0
UT CEDAR CITY	45	25	52	15	35	-3	.2	.1	.2	3.7	156	11.6	124	88	45	0	7	1	0
SALT LAKE CITY	44	30	51	21	37	-1	.7	.4	.3	6.3	218	16.9	125	90	43	0	5	4	0
VT BURLINGTON	50	34	71	18	42	7	.7	.0	.4	11.5	141	30.9	102	90	54	0	2	3	0
VA NORFOLK	70	49	80	31	60	9	.6	.1	.4	8.4	85	40.4	98	95	53	0	1	2	0
RICHMOND	68	46	76	26	57	10	.3	.5	.3	5.9	60	31.3	79	93	56	0	2	1	0
ROANOKE	64	45	73	33	55	9	.5	.1	.3	2.2	26	32.8	92	93	56	0	0	3	0
WA QUILLAYUTE	49	39	51	31	44	1	8.1	4.9	5.5	18.5	70	85.6	100	99	86	0	1	7	3
SEATTLE-TACOMA	51	42	54	35	47	3	1.4	.1	.8	5.1	53	30.5	100	97	61	0	0	5	1
SPOKANE	40	30	48	20	35	2	.8	.3	.4	2.5	75	12.2	90	95	73	0	4	4	0
YAKIMA	49	29	55	21	39	2	.1	.2	.1	1.4	90	6.7	107	98	58	0	6	2	0
WV BECKLEY	65	48	75	38	56	16	1.5	.9	1.0	6.8	80	33.2	86	87	52	0	0	2	2
CHARLESTON	69	49	82	36	59	15	3.2	2.6	2.5	11.0	141	36.0	94	87	52	0	0	2	2
HUNTINGTON	66	49	74	35	57	13	2.3	1.6	1.6	6.1	82	33.1	90	88	55	0	0	3	2
PARKERSBURG	63	47	73	26	55	12	3.5	2.9	2.9	9.1	128	39.3	114	95	60	0	1	4	1
WI GREEN BAY	50	32	61	24	41	9	1.1	.7	.7	8.0	121	24.3	94	97	60	0	4	4	1
LACROSSE	46	29	53	21	38	4	1.5	1.1	.6	7.1	106	32.6	114	94	61	0	5	4	1
MADISON	51	32	60	25	42	8	1.0	.6	.5	11.9	178	36.1	126	94	60	0	5	4	0
MILWAUKEE	54	37	66	26	45	10	.7	.2	.3	13.3	201	36.0	127	90	58	0	2	5	0
WAUSAU	44	29	55	21	37	7	2.3	1.9	1.0	10.9	144	36.4	122	100	68	0	6	5	2
WY CASPER	38	20	45	8	29	-2	.2	.1	.1	1.7	81	11.7	110	86	51	0	7	2	0
CHEYENNE	39	23	49	15	31	-2	.2	.1	.1	3.0	137	18.4	143	82	46	0	7	4	0
LANDER	39	15	46	6	27	-2	.1	.1	.1	3.1	119	13.8	112	79	45	0	7	1	0
SHERIDAN	41	24	58	15	32	2	.2	.0	.1	3.9	131	14.6	103	86	56	0	7	3	0

Based on 1951-80 normals

National Agricultural Summary

November 18 - 24, 1991

HIGHLIGHTS: Above-normal temperatures and rainfall across the eastern half of the Nation encouraged emergence of fall-seeded grains and eased concerns over low soil moisture. Late-season harvests, though interrupted by rains, continued in the East, West, and South.

SMALL GRAINS: Small grain seeding continued in the Southeast and California under mostly dry conditions. Winter wheat emergence reached 87 percent (%) complete in the 19 major producing States, 6 percentage points behind last year and 5 points behind the 5-year average. Crop condition rated mostly good to fair in the major producing States, with improvement over the previous week's ratings shown in the West and South Central States. Approximately 40% of the Kansas crop, however, remained in poor or very poor condition. Snow cover for the protection of fall-seeded grains was lacking in parts of the northern Great Plains.

CORN: Warmer-than-normal temperatures through the first part of the week allowed harvest of remaining corn to progress in the northern Corn Belt before snow halted activity toward the end of the week. Snow also prevented harvest in Colorado. Pennsylvania's harvest reached 92% complete, although wet field conditions kept growers out of some fields. Harvest was virtually complete in California and past the midway point in Oregon and Washington.

SOYBEANS: Rains delayed harvest as showers moved in a band from eastern Texas and the Delta through the Northeast. Harvest remained active in the Atlantic Coast and South Central States as conditions allowed.

COTTON: Cotton harvest advanced to 75% complete in the 14 major producing States, compared with 80% last year and 74% average. Rains interrupted picking in parts of the Southeast, but progress was nevertheless good. Second picking was winding down in the Delta.

GRAIN SORGHUM: Wet field conditions and high humidity due to rains slowed harvest in the Southern States. Harvest was approaching completion in the Atlantic Coast States. Snow again kept Colorado growers from completing harvest.

OTHER FIELD CROPS: Dry bean harvest continued in California. Peanut digging was slowed by rains in Texas but approached completion in

Oklahoma. Fall potato harvest remained active in the Tulelake-Butte Valley area of California, and was very near completion in Oregon and Washington. Sugarbeet harvest was ending in Idaho and continued in California. Sugarcane harvest progressed in Louisiana, where losses from recent frosts remained uncertain. Sweet-potato harvest was well along in the Southeast.

FRUIT AND NUTS: Pecan harvest continued across the southern tier of the Nation. Lemon, grapefruit, orange, tangerine, apple, and pistachio picking continued in Arizona. Fuji and Granny Smith apples were being packed in California, as were dates, kiwifruit, and persimmons. California's Navel orange harvest continued, but small fruit size and delayed maturity were concerning growers. Florida citrus fruits remained in very good condition, with orange harvest accelerating and grapefruit, tangerine, and tangelo shipping continuing. Cranberry harvest was about complete in New Jersey.

VEGETABLES: Lettuce and mixed fall vegetable harvests continued in Arizona. Broccoli, cauliflower, and celery harvests continued in California. Lettuce supplies were declining in California's Salinas-Watsonville and Santa Maria areas, and sweet corn harvest was almost over in the Kern-Tulare area. Carrot harvest started in the California desert. Fall vegetable crop harvests were declining rapidly in central Florida while increasing in the southern areas. Florida's volume leaders were tomatoes, cucumbers, peppers, squash, sweet corn, and snap beans. Onion planting was underway in Georgia. Red chile and lettuce picking continued in New Mexico. Beet harvest was underway in the Texas High Plains.

PASTURES AND LIVESTOCK: Blizzard conditions were extremely stressful to Iowa livestock. Poor pasture and range conditions have had many Kansas livestock producers providing supplemental feed since October, leading to short supplies of hay and forage. Some Ohioans, also concerned over short forage supplies, made round bales of corn stalks for livestock roughage.

Crop Progress

For Week Ending November 24, 1991

	Winter Wheat % Emerged		
	1991	1990	Avg.
AR	83	75	78
CA	15	20	25
CO	100	100	100
GA	22	40	37
ID	84	98	99
IL	100	100	99
IN	99	90	94
KS	85	99	95
MI	100	98	95
MO	87	92	89
MT	91	92	93
NE	100	100	100
NC	52	55	60
OH	100	88	98
OK	85	95	89
OR	87	94	89
SD	100	100	100
TX	86	88	91
WA	93	98	96

19 States 87 93 92

These 19 states produced 91%
of the 1990 winter wheat crop.

	Cotton % Harvested		
	1991	1990	Avg.
AL	99	100	96
AZ	91	94	85
AR	98	99	98
CA	97	95	94
GA	93	97	91
LA	99	100	99
MS	100	100	98
MO	97	100	99
NM	60	54	55
NC	90	94	85
OK	33	59	40
SC	91	96	89
TN	100	93	95
TX	51	61	52

14 States 75 80 74

These 14 states produced 99%
of the 1990 cotton crop.

Crop Condition

PERCENT

For Week Ending November 24, 1991

State	Winter Wheat				
	VP	P	F	G	EX
AR	0	0	26	74	0
CA	0	0	15	85	0
CO	1	3	22	64	10
GA	1	30	55	14	0
ID	0	2	35	58	5
IL	0	11	47	39	3
IN	0	9	41	49	1
KS	12	29	34	19	6
MI	0	0	15	50	35
MO	1	5	73	20	1
MT	1	5	35	47	12
NE	4	6	55	35	0
NC	3	5	31	60	1
OH	4	6	35	50	5
OK	0	3	44	53	0
OR	2	12	46	40	0
SD	0	5	40	50	5
TX	0	5	37	52	6
WA	0	8	31	61	0
19 State	3	11	38	43	5
Prev Week	3	14	42	37	4
Prev Year	1	3	24	59	13

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

This is the last compilation of national crop progress and condition statistics for the 1991 crop year. Presentation of this data will resume April 6, 1992. State summaries of weather and agriculture will continue to be published in the *Weekly Weather and Crop Bulletin* and will also be available through the U.S. Department of Agriculture's Computerized Information Delivery (CID).

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 2.00 to 4.00 in.; over 5.00 in. isolated areas. Temperatures 2 to 6° above normal.

Days suitable for fieldwork 4.5. Soil moisture 14% short, 70% adequate, 16% surplus. Cotton 99% harvested, 100% 1990, 96% avg. Soybeans 91% harvested, 89% 1990, 85% avg.; 5% poor, 44% fair, 51% good. Winter wheat 65% seeded, 75% 1990, 72% avg. Pastures 9% very poor, 22% poor, 51% fair, 18% good. Livestock 44% fair, 53% good, 3% excellent. Activities: Harvesting cotton, soybeans, pecans, fall vegetables; plowing cotton stalks; grading sweet potatoes; seeding small grains, winter annuals; soil testing; fertilizing pastures; repairing equipment; general care of livestock, poultry, catfish.

ARIZONA: Sunny skies prevailed throughout period. Snow, rain, north 18th; Precipitation, 0.15 in. north. Temperatures 5° below to 1° above normal. Extremes 16°; 73° higher elevations, 26°; 78° deserts.

Cotton harvested 91%, 94% 1990, 85% avg.; stalk shredding, plow down, moderate. Alfalfa harvest light; alfalfa condition good. Small grains seeded 22%, 19% 1991, 9% avg; small grains established 17%, 4% 1991, 17% avg. Peanuts harvested west. Lemons, grapefruits, oranges, tangerines harvested west, central. Pecans, harvested central. Apples, pistachio harvest, east. Mixed vegetables harvested west, central, east. Lettuce harvested west, east.

ARKANSAS: Temperatures above normal, with heavy showers first part. Extremes 24°; 81°. Rainfall 1.53 to 6.61 in.

Days suitable for fieldwork 3. Soil moisture 21% adequate, 79% surplus. Pasture 7% poor, 42% fair, 51% good. Alfalfa 60% fair, 40% good. Other hay 79% fair, 21% good. Livestock good. Activities: Ginning cotton; harvesting field crops; seeding small grains; feeding hay; shopwork; working cattle. Most producers finished second picking of cotton, most gins slowing.

CALIFORNIA: Weak low pressure systems kept moving through the northern two thirds of the State during the week allowing some rain to fall in most areas. Temperatures cooled to near or below normal. Snow levels dropped allowing the seasonal snowpack to begin in the mountains.

Field activities slowed by midweek rain. Rice harvest essentially complete. Stubble burned as weather, air quality regulations allowed. Cotton harvest winding down. Shredding, discing pink bollworm control. American Pima acreage second pick. Herbicide application underway, next years crop. New alfalfa emerging. Corn harvest virtually complete. Dry bean, grain sorghum, sugarbeet harvests continued. Small grain, forage crops seeded. Germination, emergence slowed; low soil moisture. Alfalfa, sudan hay harvests normal. Pruning, fumigating orchards active. Fuji, Granny Smith apples packed. Date, kiwifruit, persimmon harvests continued. Navel orange picking active. Small fruit size, delayed maturity grower concerns.

Desert citrus harvest continued. Broccoli moderate Salinas Watsonville, Santa Maria areas good quality. Fall harvest continued Fresno, Patterson Newman areas. Carrot harvest started desert area excellent quality. Cauliflower moderate Salinas Watsonville, Santa Maria areas variable quality. Harvest active Patterson Newman area. Celery harvest fairly heavy, good quality Salinas Watsonville, Santa Maria areas. Sweet corn harvest almost over Kern Tulare area. Lettuce supplies declining seasonally Salinas Watsonville, Santa Maria areas variable quality. Westside area, fall harvest slow, good quality. Desert area gearing up for harvest in two weeks. Fall potatoes movement Tulelake Butte Valley area active. Late fall quarter fresh market tomato harvest active Westside area. Other vegetables harvested: Beans, cabbage, cucumbers, peppers. Range poor to good. Supplemental feeding continued. Pastures improved. Fall calving active.

COLORADO: On the 18th, 19th, 5 to 8 in. of snow fell in the mountains with mostly 0.10 to 0.20 in. of moisture at lower elevations. A powerful storm on 20th, 21st left up to a foot of new snow in the mountains with moisture amounts ranging from over 1.00 in. in the southeast to 0.25 to 0.50 in. amounts in other sections. The 22nd through the 24th were mostly dry with below normal temperatures. Temperatures 1 to 3° below normal statewide. Major farm activities: Feed, care of livestock as weather conditions curtailed most fieldwork.

FLORIDA: Temperatures 2 to 6° above normal. Highs: Panhandle around 80°, elsewhere middle 80s. Lows: north around 30°, middle 20s some locations; central, south 40s; central Peninsula upper 30s. Rainfall amounts widely varied. Many locations received under 0.25 in., some Panhandle, central, south locations received 1.00 to 4.00 in.

Soil moisture Panhandle, northern Peninsula short; central Peninsula short to adequate; southern Peninsula adequate. Sugarcane planting active. Winter wheat for grain planting started. Cotton harvest winding down. Soybean harvest virtually complete. States pastures poor to excellent. Pasture ratings 15% poor, 40% fair, 40% good, 5% excellent. States cattle herds mostly fair to good. Citrus groves near excellent. Light rain most areas. Irrigation used many areas. Very good fruit, good fruit color, fruit droppage not excessive. Orange harvest accelerating, several processing plants now open. Packers shipping navels, grapefruit, tangerines, and tangelos for promotional fund raising. Caretakers cutting cover crops, preparing irrigation for cold protection. Warm days, mild nights prevailed over major vegetable producing areas. Rainfall limited, most prevalent east coast. Fall crop harvest declining rapidly central areas, increasing southern areas. Volume leaders: Tomatoes, cucumbers, peppers, squash, sweet corn, snap beans. Also available: Carrots, celery, eggplant, escarole, specialty lettuce, radishes, strawberries. Harvest Zellwood sweet corn complete.

GEORGIA: Temperatures 7 to 10° above normal. Warmest 65 to 70° extreme north Georgia, low to mid 80s central, southern areas. Few record highs. Colder temperatures late weekend. Minimums low 20s mountains, upper 20s to low 30s elsewhere. Rains across north, western areas at mid to late week, totals of 2.00 to 5.00 in. common. East central through south central under 0.25 in.

Days suitable for fieldwork 5.7. Soil moisture 32% very short, 43% short, 20% adequate, 5% surplus. Cotton 27% fair, 35% good, 38% excellent. Sorghum 97% harvested for grain, 98% 1990, 97% avg. Soybeans 3% poor, 49% fair, 41% good, 7% excellent; 88% harvested, 90% 1990, 83% avg. Wheat 42% planted, 54% 1990, 57% avg. Rye 2% very poor, 36% poor, 52% fair, 10% good; 80% planted, 93% 1990, 90% avg. Other small grains 32% poor, 49% fair, 19% good; 70% planted, 79% 1990, 78% avg. Pecans 6% very poor, 16% poor, 68% fair, 10% good; 73% harvested, 67% 1990, 62% avg. Onions 38% planted. Pasture 2% very poor, 27% poor, 54% fair, 17% good. Cattle, hogs good.

HAWAII: Moderate trades brought relief from warm, humid conditions earlier in the week. Light rain fell in some crop-producing areas; however, Maui, Hawaii continued mandatory irrigation water restrictions. Record equaling highs 20th to 21st. Cooler evening temperatures slowed progress in some crops. Rainfall none to 2.70 in.

Days suitable for fieldwork 7.0. Insect spraying normal. Banana, cucumber harvesting active. Papaya orchards passed peak production, lowering production. More tomato seedlings planted for winter harvesting.

IDAHO: Temperatures 1° below normal to 4° above normal across State. Precipitation fell statewide.

Soil moisture mostly adequate across State. Activities: attending meetings, shop work and finishing sugarbeet harvest. Winter wheat condition mostly good. Hay, roughage supplies adequate. Livestock activities: Shipping calves, vaccinations, pregnancy checking. Some hay being fed. Livestock is in good condition.

ILLINOIS: Temperatures near normal to 8° warmer than normal. Precipitation 0.33 to 6.00 in. across the State.

Winter wheat mostly fair to good. Soil moisture mostly adequate.

INDIANA: Temperatures 3 to 8° above normal. Highs upper 40s to upper 50s. Lows mid 30s to low 40s. Precipitation 0.05 to 2.00 in. east, 1.00 to 3.00 in. west.

Very little field activity due to rain, wet soils. Activities included: Hauling manure, hauling grain, processing tobacco, repairing machinery, fixing fence, care of livestock, building repairs, book work. Farmers trying to complete fall tillage when weather conditions permit.

IOWA: Temperatures 0 to 5° above normal. Extremes 6°; 66°. Precipitation 0.02 to 1.55 in.; average 0.56 in. Heavy snow, high winds 22nd to 23rd southwest, central, northeast made it difficult to complete corn harvest. Blizzard conditions were extremely stressful to livestock.

KANSAS: Temperatures 3 to 7° above normal over State. Precipitation received all areas; south, east received 1.00 inch or more.

Days suitable for fieldwork 1.5. Topsoil 16% short, 77% adequate, 7% surplus. Subsoil 85% short, 15% adequate. Wet conditions have kept farmers out of the field. Wheat seeding, fall harvest almost complete, stalled due to muddy field conditions. Improved moisture, above normal temperatures increased wheat emergence the past week. Ranges, pasture short, producers providing supplemental feed since October. Feed grain generally adequate. Hay, forage supplies short to adequate, generally short. Some weather related livestock disease.

KENTUCKY: Warm, wet. Highs around 60°, 5 to 10° above normal. Lows upper 40s, 15° above normal. Rainfall heavy, 2.00 to 3.00 in. common.

Moisture conditions improved to mostly adequate with recent rain. Burley stripping continued at a good pace. Soybean harvest nearly complete. Moisture beneficial to fall seeded grains. Pastures fair.

LOUISIANA: Temperatures 4 to 7° above normal. Extremes 35°; 86°. Rainfall 0.89 in. south central to 2.84 in. northwest.

Days suitable for fieldwork 4.0. Soil moisture 6% short, 63% adequate, 31% surplus. Pecans 34% poor, 45% fair, 21% good; 64% harvested, 58% 1990, 62% avg. Production light in some areas due to adverse weather conditions this year, insect problems. Soybeans 97% harvested, 98% 1990, 95% avg. Sugarcane 70% harvested, 52% 1990, 63% avg. Losses from recent freezes unknown at this time. Farmers topping cane shorter to combat souring. Sweet potatoes 97% harvested, 95% 1990, 98% avg. Wheat 40% fair, 49% good, 11% excellent; 83% planted, 80% 1990, 77% avg.; 69% emerged, 66% 1990, 63% avg. Vegetables 6% very poor, 9% poor, 58% fair, 27% good. Pastures 12% very poor, 10% poor, 9% fair, 23% good, 46% excellent. Livestock 35% fair, 60% good, 5% excellent. Crawfish harvesting, management active.

MARYLAND & DELAWARE: MARYLAND: Precipitation 0.95 in. Temperature 54.6°, normal 44.6°. Extremes 20°; 80°.

Days suitable for fieldwork 4.8. Topsoil 62% short, 33% adequate, 5% surplus. Subsoil 10% very short, 57% short, 33% adequate. Soybeans mostly good; small grains fair to mostly good. Soybeans 93% harvested, 93% 1990, 82% avg. Small grain seeding virtually complete. Hay supplies mostly short to adequate. Pastures in poor to fair condition. Activities: Completing soybean harvest; stripping tobacco; fall vegetable harvest; gleaning fields; liming, fertilizer applications; marketing, caring for livestock.

DELAWARE: Precipitation 0.34 in. Temperature 53.6°, normal 46.4°. Extremes 23°; 76°.

Days suitable for fieldwork 6.3. Topsoil 33% short, 67% adequate. Subsoil 33% short, 67% adequate. Soybeans fair to good. Small grains good. Soybean harvest virtually complete. Small grain seeding virtually complete. Hay supplies adequate. Pasture fair condition. Activities: Completing soybean harvest; storing equipment; cleaning seed for next year; marketing, caring for livestock.

MICHIGAN: Temperatures 6 to 12° above normal. Extremes 17°; 67°. Precipitation 0.44 to 2.03 in. across the State. Temperatures dropped late in the week as snow fell throughout the State on 24th.

The wet conditions limited fieldwork to a couple of days. Livestock in good condition, with adequate feed supplies. Major activities included cutting, splitting wood; pruning orchards, grape vines; hauling manure.

MINNESOTA: Warmer than normal temperatures through most of week allowed farmers to progress on harvesting remaining corn before a winter storm stopped all activities by the weekend. Temperatures 2 to 6° above normal. Extremes 4°; 54°. Precipitation 0.12 in. below normal west central, near normal to 0.77 in. above normal elsewhere. Statewide precipitation 0.10 to 1.11 in. Greatest weekly total 1.73 in. at Caledonia. Snowfall averaged 12 in. southeast, a trace to 3 in. elsewhere. Snow depth on 24th averaged 11 in. southeast, none to 3 in. elsewhere.

MISSISSIPPI: Temperatures 61°, 8° above normal. Extremes 33°; 85°. Heavy rainfall across most of the State, averaged 2.42 in., 1.35 above normal. Soil temperature 61°.

Days suitable for fieldwork 2.7, 5.3 1990, 3.3 avg. Soil moisture 5% short, 46% adequate, 44% surplus, 5% excessive. Soybeans 90% harvest, 94% 1990, 87% avg.; 21% poor, 13% fair, 49% good, 17% excellent. Wheat planted 77%, 83% 1990, 80% avg.; 63% emerged, 70% 1990, 73% avg.; 10% very poor, 47% fair, 43% good. Pecans 59% harvest, 40% 1990, 50% avg.; 4% very poor, 9% poor, 60% fair, 27% good. Livestock 1% poor, 16% fair, 76% good, 7% excellent. Pasture 79% of normal. Activities: Soybean harvest, feeding cattle.

MISSOURI: Temperatures 10° above normal southeast, 5° above normal elsewhere. Rainfall averaged 1.05 in., varying from 0.50 in. west central, central, northern districts, to over 3.00 in. southeast.

Days suitable for fieldwork 1.1. Topsoil 4% short, 55% adequate, 41% surplus, wettest areas northeast, east central, southeast. Soybean harvest least advanced southwestern, southeastern districts at 91%, other districts mid 90s. Grain sorghum harvested 95%, 98% 1990. 98% avg. Tillage for spring crops 38%, 46% 1990, 48% avg. Pasture 6% very poor, 32% poor, 46% fair, 16% good.

MONTANA: Temperatures 1° above normal southwest to 9° above north central. Moisture most locations with heavier amounts west. Most locations had less than 0.25 in.

Snow cover protection on winter wheat 80% poor, 15% fair, 5% good. Grazing mainly open with 44% cattle, 47% sheep receiving supplemental feed.

NEBRASKA: Temperatures 1 to 3° above normal. Scattered precipitation 0.10 to 0.70 in.

Days suitable for fieldwork 2.2. Topsoil 29% short, 69% adequate, 2% surplus. Subsoil 77% short, 23% adequate. Wheat 4% very poor, 6% poor, 55% fair, 35% good. Cattle gleaning stalk fields.

NEVADA: Temperatures near to below normal. Extremes 6°; 68°. Precipitation none to 2.00. Cooler temperatures, moisture resulted from a strong front midweek. Precipitation 0.25 to 0.50 in northern, central areas.

Colder, wet weather halted fieldwork. Preparation for winter months continue. Livestock mostly good condition. Movement to winter ranges nearing completion statewide.

NEW ENGLAND: Precipitation 1.65 to 3.10 in. south; 0.50 to 2.25 in. north, with as little as 0.05 in. northern Maine. Temperatures mid 30s to low 40s northern Maine, low to mid 40s elsewhere north, mid 40s to low 50s south. Maximum temperatures high 50s extreme north to mid 70s south; minimum temperatures 15° north to low 30s south.

Major farm activities: Tending livestock, cutting firewood, making general repairs.

NEW JERSEY: Temperatures much above normal, averaged 52° north, 56° south, coastal. Extremes 21°; 77°. Precipitation above normal north, near normal south, below normal coastal; averaged 2.18 in. north, 0.73 in. south, 0.42 in. coastal. Heaviest 24 hour total 1.57 in. on 22nd, 23rd.

Soybean harvest near completion. Cured sweet potatoes continued to move to market. Cranberry harvest about complete.

NEW MEXICO: Temperatures 5 to 6° below normal. Greatest anomalies were in the north central mountains. Extremes -5°; 77°. Most precipitation fell as snow early in week, with highest water equivalents of 0.41 in. in the north central mountains.

Days suitable for fieldwork 4.7. Soil moisture 15% short, 81% adequate, 4% surplus. Crop conditions: Alfalfa, mostly all harvest complete. Cotton, 10% very poor, 30% poor, 40% fair, 20% good; harvest slowed in some areas by wet fields. Corn, small amount of grain left to harvest. Irrigated sorghum 43% fair, 57% good. Dryland sorghum 25% fair, 75% good. Sorghum harvest slowed by wet weather. Irrigated wheat 31% fair, 69% good. Dryland wheat 33% fair, 67% good. Chile 40% fair, 60% good with red harvest progressing. Lettuce in fair to good shape, some harvest still progressing. Cattle, sheep fair to good. Range condition 88% of normal.

NEW YORK: Week began dry, but wet finish pushed weekly precipitation above normal. Eastern areas received 2.50 to 3.50 in. of rainfall. The rest of the State 0.25 to 1.50 in. Temperatures about 10° above normal. Extremes 9°; 75°.

Major activities: Caring for livestock, machinery maintenance, fall plowing still active some areas, orchard clean up. Hunting season active. Some corn harvested where fields were dry enough. Apple grading, packing continued. Cider still being made.

NORTH CAROLINA: Temperatures 8 to 15° above normal. Precipitation none to 6.26 in.

Days suitable for fieldwork 5.3. Soil moisture 1% very short, 48% short, 49% adequate, 2% surplus. Crop condition: Wheat 3% very poor, 5% poor, 31% fair, 60% good, 1% excellent; oats 3% very poor, 5% poor, 33% fair, 59% good; barley 3% very poor, 7% poor, 35% fair, 55% good; rye 3% very poor, 6% poor, 31% fair, 60% good; Pasture 1% very poor, 20% poor, 50% fair, 29% good. Sorghum for grain harvested 93%, 90% 1990, 90% avg; cotton harvested 90%, 94% 1990, 85% avg; soybeans harvested 63%, 74% 1990, 59% avg; wheat emerged 52%, 55% 1990, 60% avg. Wheat planted 72%, 76% 1990, 75% avg. Livestock feed from pastures 50%. Hay, roughage supplies 1% short, 93% adequate, 6% surplus. Feed grain supplies 1% short, 94% adequate, 5% surplus. Activities: Harvesting cotton, sorghum, soybeans; planting small grains. Other activities: Land preparation; seeding pastures; tending livestock; harvesting Christmas trees; equipment repair; general farm maintenance.

NORTH DAKOTA: Temperatures normal to 5° above normal. Extremes 0° northeast, east central; 56° southwest. Precipitation 0.06 in. northwest to 0.29 central.

Soil moisture mostly short to adequate. Snow cover mostly melted off. Livestock in mostly good condition. Feed supplies adequate. Pastures open, supplemental feed being fed. Pests in stored grain at normal levels.

OHIO: Much warmer than normal temperatures over State for most of week; a sharp change to arctic air occurred over the weekend. High temperatures low to mid 50s; lows 40s. Precipitation 0.40 to 1.40 in. north; 0.40 to 0.80 in. south, 2.00 to 3.00 in. southeast.

Days suitable for fieldwork 4.0. Soil moisture 60% short, 35% adequate, 5% surplus. Pastures 15% very poor, 30% poor, 35% fair, 18% good, 2% excellent. Winter wheat emerged 100% complete, 88% in 1990, 98% 5 avg. Activities: Winterizing, repairing machinery, working with livestock. There is a big concern among farmers about winter feed supplies, subsoil moisture for next spring. Some made round bales of corn stalks to supply roughage for livestock since hay supplies are short.

OKLAHOMA: Temperatures 4° below normal Panhandle to 4° above normal southwest. Precipitation 0.02 in. Panhandle to 1.29 in. southeast.

Days suitable for fieldwork 3.1. Topsoil 44% adequate, 56% surplus. Subsoil 5% short, 95% adequate. Wheat 96% planted, 100% 1990, 98% avg.; 85% emerged, 95% 1990, 89% avg.; 17% grazed, 15% 1990, 30% avg. Wheat good to fair. Cotton 33% harvested, 59% 1990, 40% avg. Cotton fair to good. Sorghum 89% harvested, 93% 1990, 80% avg. Soybeans 87% harvested, 86% 1990, 68% avg. Peanuts 92% harvested, 99% 1990, 89% avg. Pasture 92%. Cattle good condition; marketings average; prices higher.

OREGON: Temperatures 2° above normal statewide. High winds 60 to 80 mph, heavy rain; northern coast, 18th. Moderate to heavy rain statewide; coastal range 7.00 in.; Willamette Valley 1.50 to 3.00 in., Cascades 5.00 to 6.00 in.; eastern areas 0.10 to 1.00 in.

Soil moisture 20% short, 70% adequate, 10% surplus. 1992 winter wheat planted 94%. 1992 winter wheat emerged 87%. Winter wheat 2% very poor, 12% poor, 46% fair, 40% good. Rain slowing fieldwork, some fertilizer, herbicide applications. Most wheat planted, rest slowed by wet conditions. Orchard cleanup continued. Fall cole crop concluding Willamette Valley. Potato harvest concluding, digging scattered. Livestock condition mostly good to excellent. Fall activities continued, statewide. Supplementary feeding underway, pastures going dormant east. Pasture regrowth starting, west. Range, pasture fair to good east, good west.

PENNSYLVANIA: Warm, wet week across State. Temperature 49°, 7° above normal. Extremes 18°; 75°. Precipitation 1.88 in., 1.12 in. above normal.

Corn 92% harvested, 74% 1990, 78% avg. Soybean harvest 90% complete, 85% 1990, 82% avg. Fourth cutting alfalfa 95% complete, 93% 1990. Activities: Harvesting corn; repairing fence; hauling manure; maintaining machinery; caring for livestock.

PUERTO RICO: Island rainfall 1.34 in. was 0.02 in. above normal. Highest rainfall 5.07 in. at Canovanas, 4.87 in. at Pico Del Este Luquillo, 2.66 in. at Rio Piedras Aes. Highest 24 hour 4.60 in. at Canovanas. Divisional temperatures 78 to 79° on coast, 70 to 74° interior with mean station temperatures 64.1° at Pico Del Este Luquillo to 85.8° at Vieques. Extremes 52°; 91°.

SOUTH CAROLINA: Temperatures 7 to 9° above normal. Rainfall 0.10 in. south to 2.60 in. mountains.

Days suitable for fieldwork 5.4. Soil moisture 2% very short, 70% short, 28% adequate. Cotton 17% fair, 76% good, 7% excellent; 91% harvested, 96% 1990, 89% avg. Sorghum fair to good; 86% harvested, 88% 1990, 81% avg. Soybeans 41% fair, 59% good; 99% mature, 95% 1990, 98% avg.; 64% harvested, 57% 1990, 55% avg. Sweet potatoes fair to good; 89% harvested, 89% 1990, 87% avg. Winter grazing fair to good; 89% planted, 93% 1990, 94% avg; 78% emerged, 85% 1990, 86% avg. Pastures 18% poor, 60% fair and 22% good.

SOUTH DAKOTA: Temperatures 0 to 5° above normal. Extremes -10°; 61°. Snowfall 4 to 8 in. Black Hills. Precipitation up to 0.55 in. Black Hills, 0.49 east, less than 0.10 in. elsewhere.

Little fieldwork done as harvest completed. Farmers remain busy weaning, selling calves.

TENNESSEE: Intermittent showers west, middle; some heavy. Precipitation up to 3.00 in. above normal some west, middle locations. Temperatures 5 to 10° above normal statewide.

Days suitable for fieldwork 4.0. Tobacco stripping activity abundant, markets open this week. Cotton harvest complete. Soybean harvest nearing completion. Wheat seedings almost complete. Soil moisture mostly adequate west, middle; short east. Primary activities: Fall harvest, storing crops, preparing winter forage, caring for livestock. Livestock mostly good.

TEXAS: Week started with cold front stalling over Coastal Plains, East Texas. Steady, moderate rain brought above normal precipitation East Texas. Another cold front swept across State Tuesday lowering temperatures again. Severe weather, a few tornados, reported in East Texas. Midweek, dry air built into State. Clear skies allowed nighttime temperatures to drop rapidly, daytime temperatures to warm; nights kept average temperatures down. Late week warming trend shortened by another cold front resulting in cold, breezy weekend. East Texas only area with positive departure from normal precipitation with +0.17 in. Rest of State had negative departures: -0.08 in. Trans Pecos to -0.50 in. along Upper Coast. Temperature departures all negative for week resulting from series of fronts crossing State. Temperature departures -3° in East Texas to -8° in Low Plains, Lower Rio Grande Valley.

Crops: Sorghum harvest nearing completion although wet fields, high humidity delayed activities. Open conditions allowed cotton harvest to resume on Plains. Lower expectations evident on some fields on Low Plains because of hard freeze late October. Some areas of Low Plains suffered erosion damage from heavy rains past few weeks. Yields, quality remained below normal in Trans Pecos. Small grain fields responded well to moisture, warm, open conditions. Light greenbug infestations reported in High Plains. Additional moisture needed to promote forage growth. Soybean harvest slowed by rainy weather throughout most growing areas. Soybean harvested 91% 1991, 74% 1990, 84% avg. Peanut harvest suffered another week of wet weather. Cross Timbers, most fields were dug, waiting for thrashing. Grades, yields continued below normal. Statewide peanut condition is rated at 74 percent of normal. Peanut harvest 73% 1991, 75% 1990, 80% avg.

Commercial Vegetables: High Plains, beet harvest underway. East Texas, land preparation continued for spring planting. Pecan harvest delayed by rain throughout week. Insect damage increased in Cross Timbers. Quality continued to decline, yields fairly good.

Range and Livestock: Ranges, pastures benefited from moisture conditions across State. Forage growth continued to improve for ryegrass. Livestock remained in good condition, as supplemental feeding continued. Movement of stocker cattle to wheat fields increased in High Plains. Supplemental feeding continued. Stock water supplies ample.

UTAH: Temperature maximums 4° below normal, minimums 4° above normal. Moderate precipitation was reported in all areas of the State.

Range, pasture condition is still mostly good to excellent. Winter maintenance of machinery is underway as late crop harvest winds down.

VIRGINIA: Temperatures 9 to 16° above normal. Extremes 19°; 80°. Precipitation 2.40 in.

Days suitable for fieldwork 5.7. Topsoil 21% very short, 57% short, 13% adequate, 9% surplus. Corn for grain 99% harvested, 96% 1990, 94% avg. Soybeans 83% harvested, 86% 1990, 71% avg. Cotton 86% harvested. Wheat 85% seeded, 90% 1990, 83% avg. Pasture 34% very poor, 32% poor, 30% fair, 4% good. Winter grain 27% very poor, 29% poor, 34% fair, 10% good. Forage from pastures, winter grains dairy cattle 14%, beef cattle 43%, sheep 47%. Livestock mostly fair to good. Prepared fire, burley tobacco for market. Fertilizing hay, pastures. Harvested cabbage. Harvested christmas trees. Dry weather causing some small grain germination problems.

WASHINGTON: Temperatures normal to 2° above normal, west; 2° below normal to 3° above normal, east. Precipitation 1.51 to 4.11 in. west; 0.17 to 1.32 in. east.

Days suitable for fieldwork 2.4. Soil moisture 37% short, 63% adequate. Hay, other roughage 8% very short, 81% short, 11% adequate. Range, pasture 13% very poor, 10% poor, 54%

fair, 23% good. Winter wheat, 8% poor 31% fair, 61% good. Potatoes 100% good. Corn 100% good. Winter wheat 97% planted, 93% emerged. Potatoes 98% harvested. Corn for grain 63% harvested. Precipitation across State. Continued wet weather prevented the completion of small grain planting, while aiding crops already seeded. Subsoil moisture was still lacking in the dryland areas. Most cattle were on fall pastures, calves were being marketed.

WEST VIRGINIA: Temperature 53°. Extremes 19°; 80°. Precipitation 2.20 in.

Days suitable for fieldwork 3.6. Soil moisture 19% very short, 43% short, 29% adequate. Corn 9% surplus; 15% poor, 63% fair, 22% good; 97% harvested. Hay, 29% poor, 46% fair, 25% good; 99% third cutting. Wheat, 90% sown. Pastures, 29% very poor, 44% poor, 27% fair; 45% of normal. Cattle, good. Sheep, fair. Farm activities: General maintenance, fencing, cutting hay, harvesting corn, chopping silage, planting wheat, marketing livestock.

WISCONSIN: Temperature 36°. Extremes 4°; 66°. Precipitation 0.60 to 1.30 in. Winter storm across north central, west central and parts of central Wisconsin. Snowfall 10 to 15 in. By 24th, Hurley (north central district) had 30 in. of snow cover.

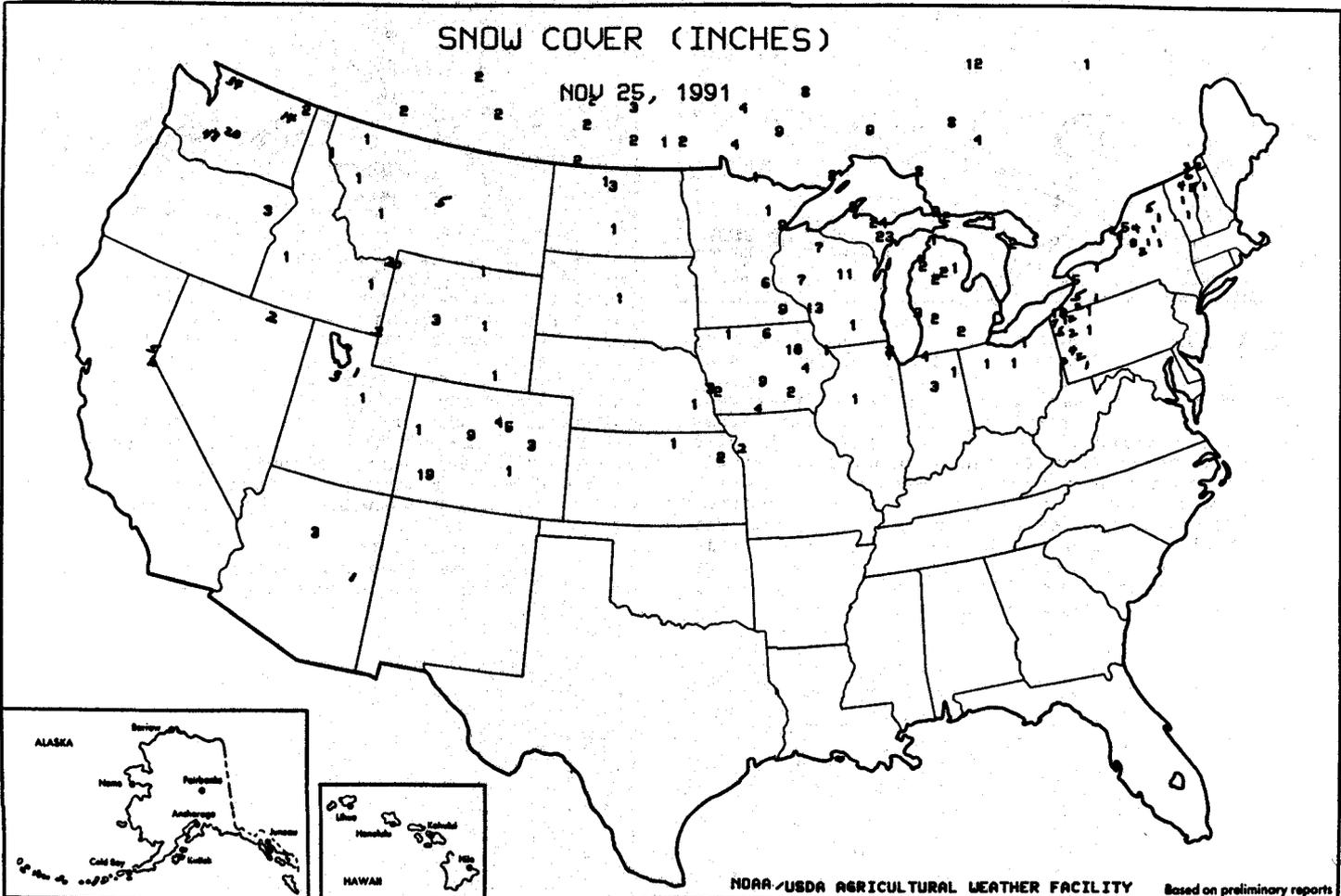
Corn for grain 93% harvested, 85% 1990, 93% avg.

WYOMING: Temperatures near normal statewide. Precipitation near normal west; below normal elsewhere.

1992 winter wheat fair to good, additional moisture needed for continued development. Livestock mostly good, culling, marketing continues. Preparation for calving, lambing seasons beginning.

SNOW COVER (INCHES)

NOV 25, 1991



International Weather and Crop Summary

HIGHLIGHTS

November 17 - 23, 1991

WESTERN USSR ... Mild weather favors dormant winter grains.

EUROPE ... Stormy weather continues over most of the region, slowing late harvest activities.

EASTERN ASIA ... Dry conditions hinder winter wheat establishment in the North China Plain, while beneficial rain covers interior southern China.

SOUTHEAST ASIA ... Widespread rain continues over Malaysia, Indonesia, and the Philippines.

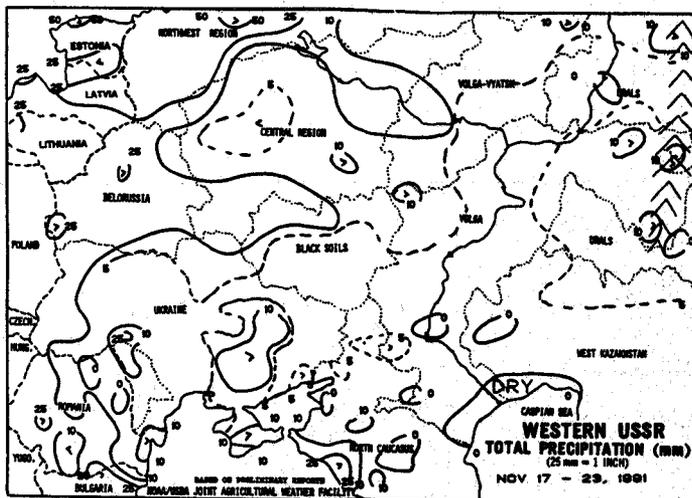
SOUTH ASIA ... Showers improve fall crop prospects in southern India, although local flooding continues in coastal rice areas.

SOUTH AMERICA ... Dry weather raises concerns for immature Brazilian summer crops, but favors fieldwork in Argentina.

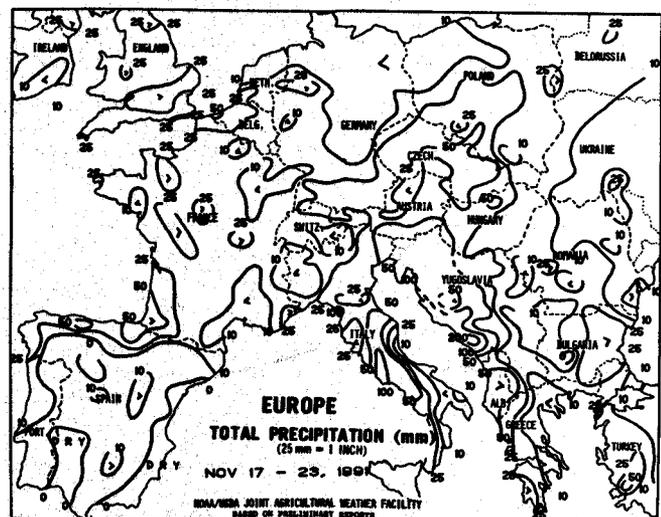
AUSTRALIA ... Favorably dry weather aids fieldwork, and scattered rains benefit crops in Queensland.

NORTHWESTERN AFRICA ... Continued dry weather in Morocco slows wheat planting. Rain favors crop emergence in parts of Algeria and northernmost wheat areas in Tunisia.

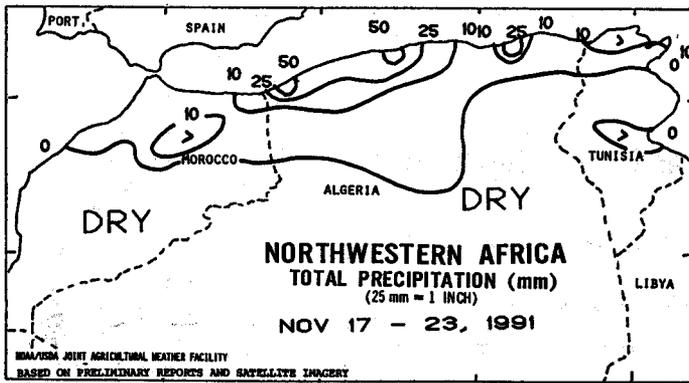
SOUTH AFRICA ... Light rain moistens topsoils for emerging corn.



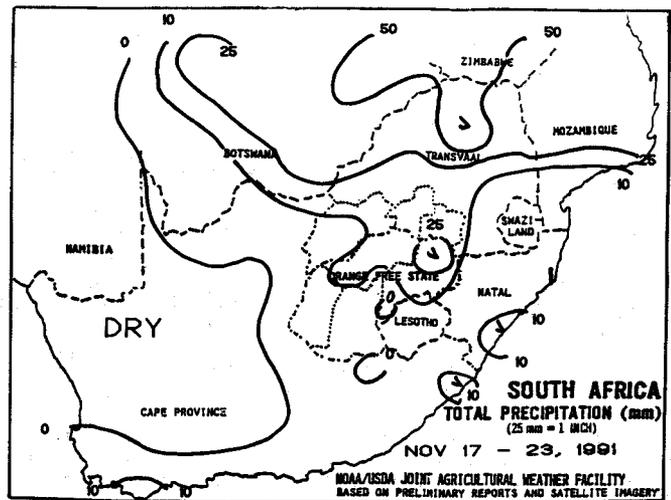
WESTERN USSR ... Frequent showers (10-40mm) covered winter grains in Northwest Region and Belorussia. Favorable rain (10-17mm) over eastern Ukraine and parts of North Caucasus improved moisture reserves. Elsewhere, light, scattered precipitation (less than 10mm) covered winter grains in the Black Soils Region, northern North Caucasus, and Volga. Weekly average temperatures were 1-4 degrees Celsius (C) above normal over the region. The mild weather provided favorable overwintering conditions for dormant winter grains. However, most winter grain areas lacked a protective snow cover, except for those in southern Central Region and Volga Vyatsk, where snow cover was shallow.



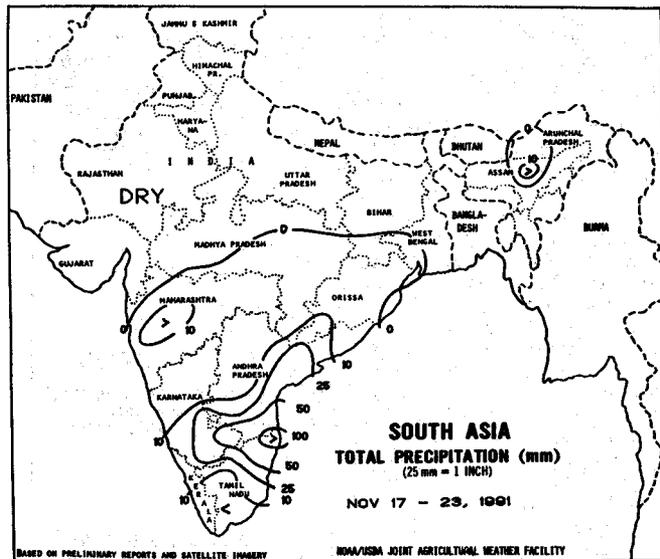
EUROPE ... Storms moved across the region in rapid succession, producing widespread precipitation. Wet conditions slowed late sugarbeet harvesting across northern and central Europe. Locally heavy rain (50-125mm) fell again in Italy and Yugoslavia. Most areas have adequate topsoil moisture for winter crops, although moisture is low in eastern Germany. Beneficial precipitation (25-75mm) covered Czechoslovakia, especially in the west which had been tending dry. Late corn harvesting has been slowed by wetness in France, while mostly light showers (3-10mm) over the Iberian peninsula have helped winter crops. Weekly temperatures were 1-3 degrees C below normal in the west and north, and 1-3 degrees C above normal over the remainder of the region.



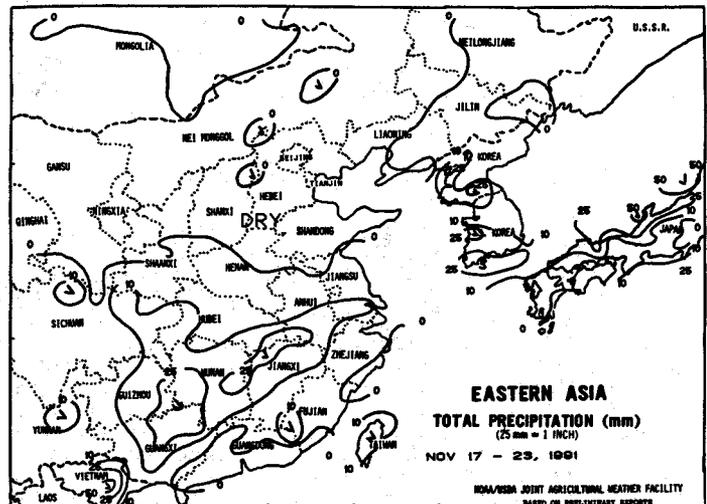
NORTHWESTERN AFRICA ... Wheat planting is normally well underway in most areas. Although significant rain in early October in Morocco prompted earlier than usual wheat planting, dry weather for the past 5 weeks has likely slowed planting progress. Widespread significant rain is needed in Morocco for crop emergence and establishment. Further east, beneficial showers (10-27mm, with local amounts in excess of 50mm) moistened topsoils in western Algeria. In eastern Algeria and Tunisia, light showers (10-23mm) over northern wheat areas continued to maintain adequate moisture for newly emerged crops. In contrast, a drying trend along southernmost crop areas prompted concern about adequate topsoil moisture for crop establishment.



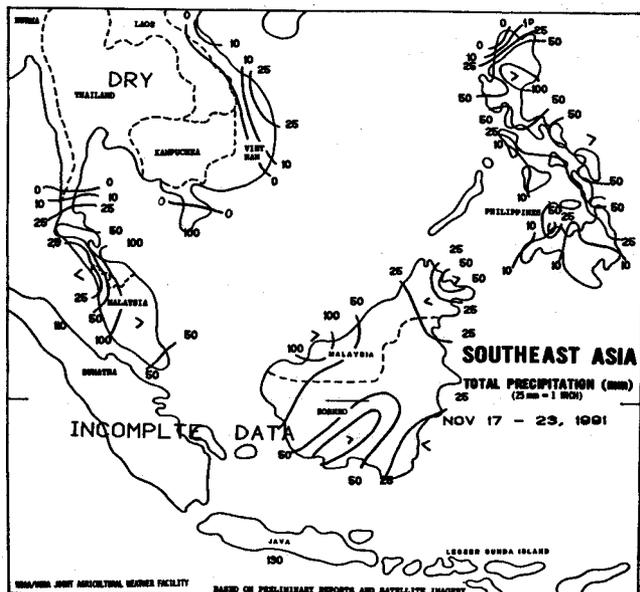
SOUTH AFRICA ... Scattered showers (8-30mm) moistened topsoils across South Africa's primary crop areas. Corn planting was progressing, helped by this season's favorable early moisture reserves. However, many western locations have received below-normal rainfall for the past 3-4 weeks, necessitating more rain soon for normal corn establishment.



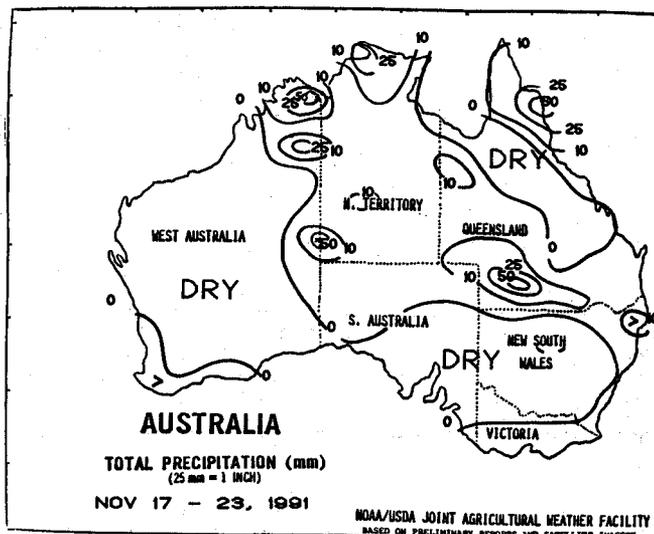
SOUTH ASIA ... Continuing showers (5-50mm or more) over southern India provided beneficial moisture for fall planted grains and oilseeds. However, heavy showers (50-113mm) worsened local flooding in coastal rice areas. Seasonably dry, warm weather elsewhere favored maturing summer grains, oilseeds, and cotton.



EASTERN ASIA ... The North China Plain wheat belt remained dry, causing poor wheat establishment in some areas. The dry conditions are due to an early end to the rainy season, coupled with seasonably low rainfall (normal weekly rainfall less than 10mm). Moisture conditions are not expected to improve greatly until next spring. Light to moderate rain (14-48mm) spread across interior southern China (Guizhou, Hunan, Jiangxi, and Sichuan), favoring winter wheat establishment and replenishing reservoir levels. Throughout southern China, late rice harvesting should be completed by late November. Weekly temperatures averaged 1-3 degrees C above normal across China.

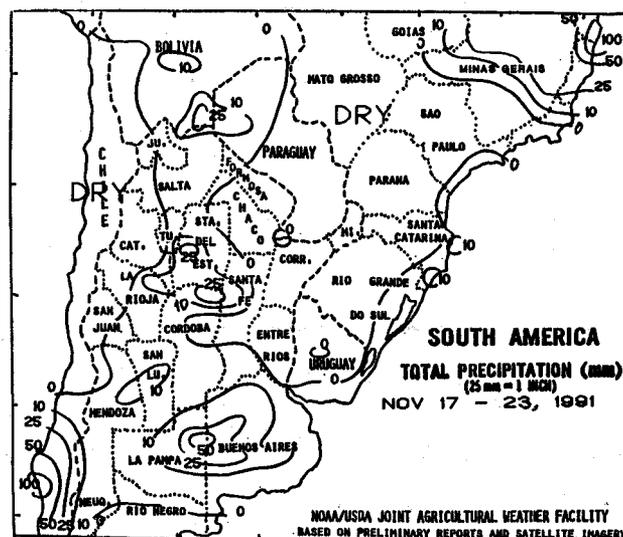


SOUTHEAST ASIA ... Widespread showers (25-150mm or more) continued across Malaysia and most primary crop areas of Indonesia. Although data were missing much of the week in Indonesia, satellite imagery depicted frequent shower activity in Java and Sumatra. In the Philippines, moderate to heavy showers (15-130mm), caused partly by the passage of Tropical Storm Wilda, provided mostly beneficial moisture for grain establishment.



AUSTRALIA ... Little or no rain aided winter wheat harvesting and summer crop planting across the southern third of the country. Scattered showers (16-81mm) relieved long-term dry conditions in Queensland, favoring northeast sugarcane and southwest pasture lands. However, continued rainfall is needed in Queensland for adequate development of summer crops, sugarcane, and pastures. Weekly temperatures averaged near normal in the west and 2-4 degrees C above normal in the east.

SOUTH AMERICA ... Dry and warm weather prevailed over southern Brazil, favoring soybean planting, but stressing developing corn in portions of Rio Grande do Sul and Sao Paulo. While most areas have sufficient moisture reserves for crops in early growth stages, timely rains will be needed in upcoming weeks as crops enter reproduction stages. Eastern Minas Gerais received light to moderate rain (16-35mm), with heavy coastal rains (125-183mm), aiding coffee and soybeans. In Argentina, drier weather enabled soybean planting and winter wheat harvesting to progress, except for northern and central Buenos Aires which received 18-55mm. Soil moisture remains suitable across Argentina for summer crop germination and development. Temperatures for the week averaged 1-3 degrees C above normal across Argentina and southern Brazil.



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(Continued from front cover)
storm moved east of the **Rockies**, intense rains developed from **eastern Texas** to **Michigan**. On Tuesday, more than 5 inches of rain deluged **Cape Girardeau, MO**. Hail, thunderstorm winds, and nine tornadoes battered **eastern Texas** and the **lower Mississippi Valley**. Temperatures rose to record-setting levels in the **East**. Between Tuesday and Friday, nearly 40 locations, including **Concord, NH** (76° F), reported daily record highs. The slow-moving storm eventually reached the **Appalachians**, dampening the chain with more than 2 inches of rain. Meanwhile, the second storm entered the **Northwest**, raising winds to 85 mph in **southern Montana** and spreading snow from the **Cascades** to the **central Rockies**. Cold air swirled into the second storm center, generating heavy snow from **northern Kansas** to **Upper Michigan**. More than 1 foot of snow fell in **La Crosse, WI**, and 8 inches accumulated in **Omaha, NE**. As the week ended, frigid, dry weather settled across the **central third of the Nation**. On Saturday morning, temperatures plunged to -19° F in **West Yellowstone, MT**, and to 15° F in **Santa Fe, NM**.

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