

WEEKLY WEATHER AND CROP BULLETIN

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

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

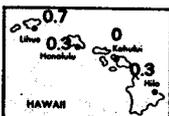
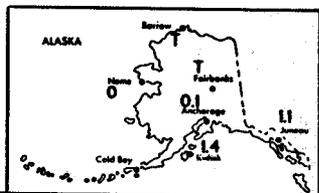
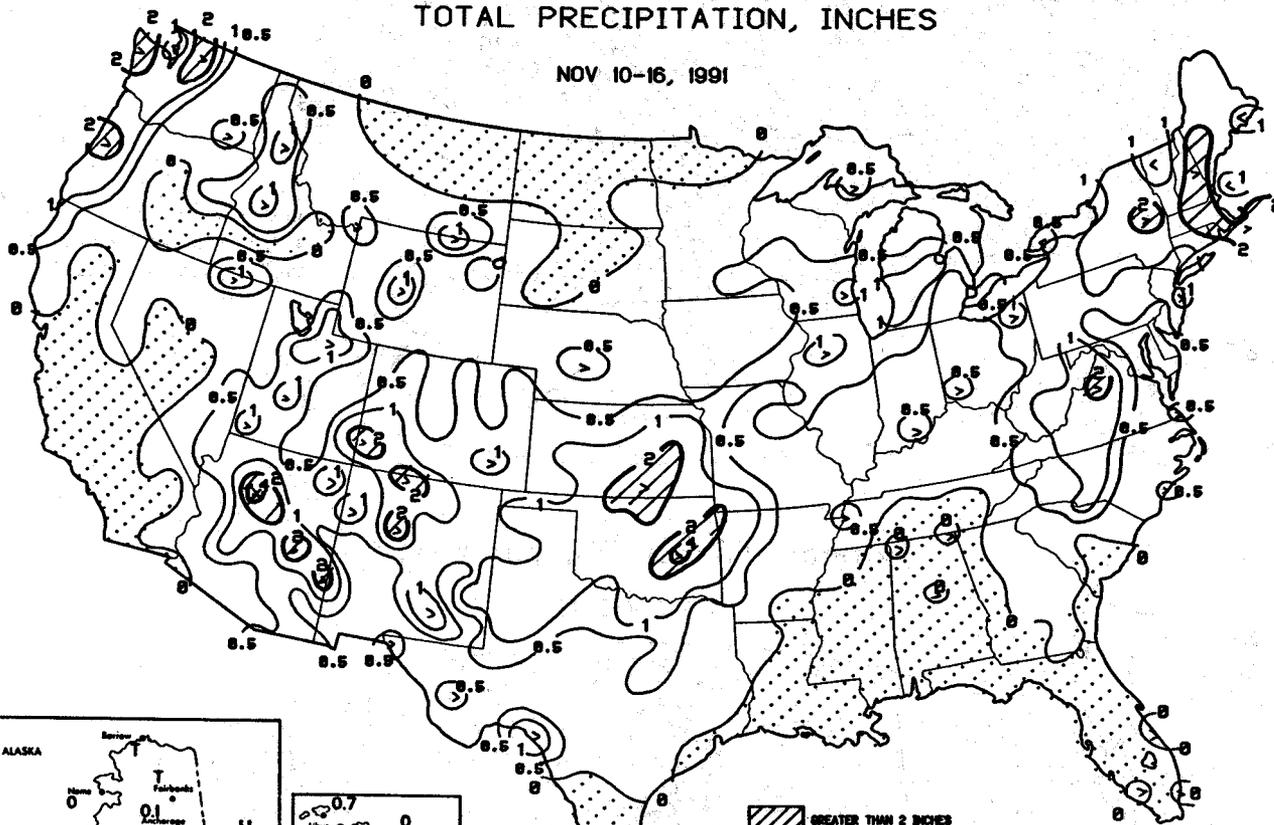
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November 19, 1991

TOTAL PRECIPITATION, INCHES

NOV 10-16, 1991



NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports

HIGHLIGHTS

November 10 - 16, 1991

After early-week East coast storminess cleared, two vigorous winter storms sliced into the West. Temperatures rebounded by midweek in the East, but not before another 50 daily record lows were established. The West cooled after midweek under a shroud of clouds and precipitation. Early in the week, wintry weather lingered in the East. Ice accumulations reached an inch in southern West Virginia, and wet snow cloaked the central Appalachians and the interior Northeast. Hamburg, NY, reported 6 inches, and the Laurel Mountains of Pennsylvania received up to 3 inches. By midweek, as the East quieted, the first of two storms began to lash the West. While gale-force winds hit the coastal Pacific Northwest, snow blanketed the Rockies. Up to 25 inches fell in the Big Horn Mountains, west of Sheridan, WY. As the storm continued its southeastward plunge, winds gusted to 71 mph in central Utah, and a 35-inch snowfall buried Wolf Creek Pass in southwestern Colorado. Despite the storm's fury, its moisture eased long-term drought conditions in the interior West and the central Plains.

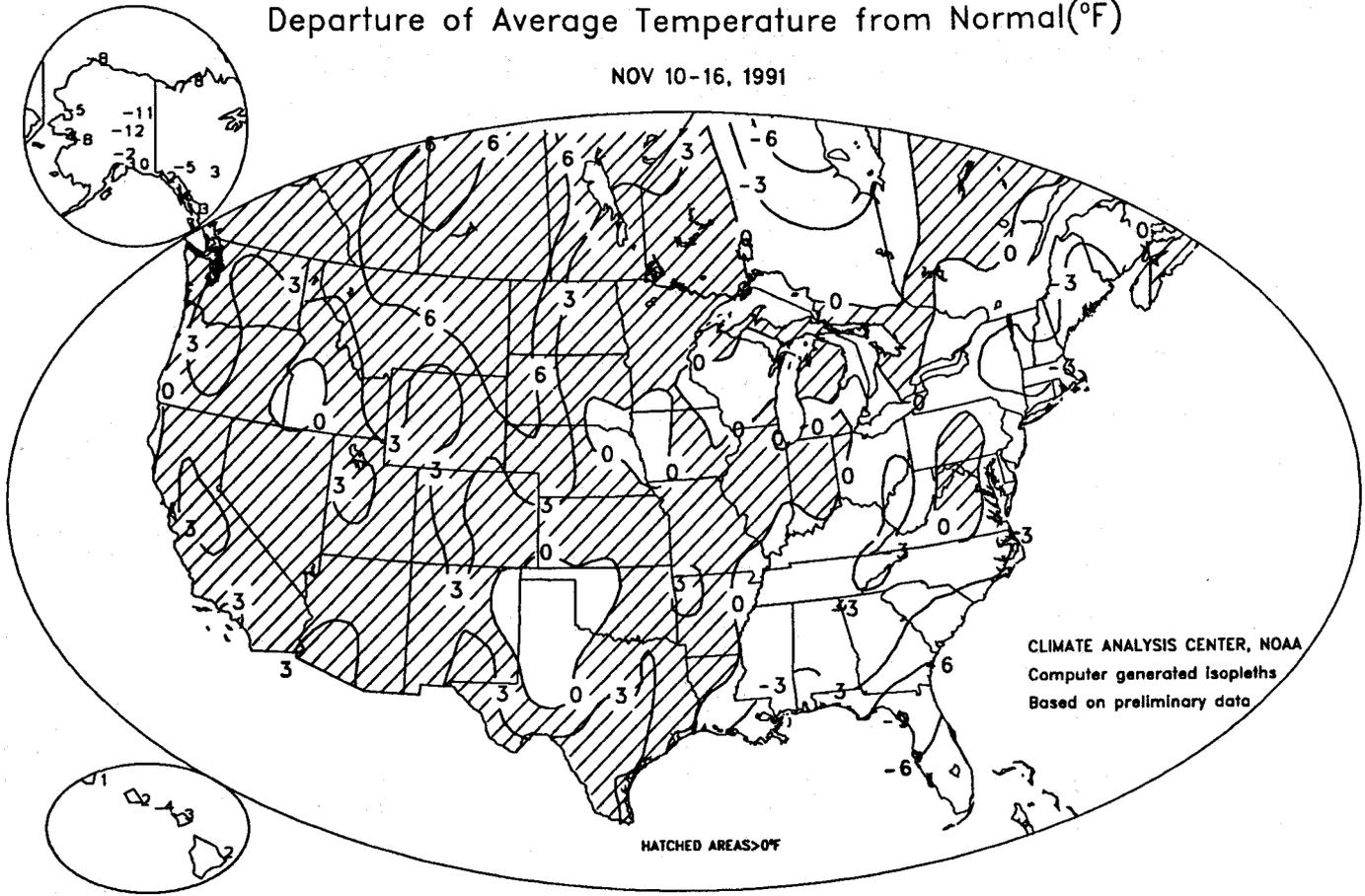
Most of Kansas received more than a half inch of rain, and up to 3 inches soaked the eastern part of the State. The second Pacific-origin storm crashed ashore on Saturday, battering the Pacific Northwest coastline with hurricane-force wind gusts. Cape Blanco, along the southern Oregon coast, clocked a 115 mph wind gust. Rain and mountain snow pushed as far south as the northern third of California. As the week ended, the first storm turned and lifted slowly northward through the Plains, producing rain from Texas to Iowa, while the second threatened the West with wind, rain, and snow.

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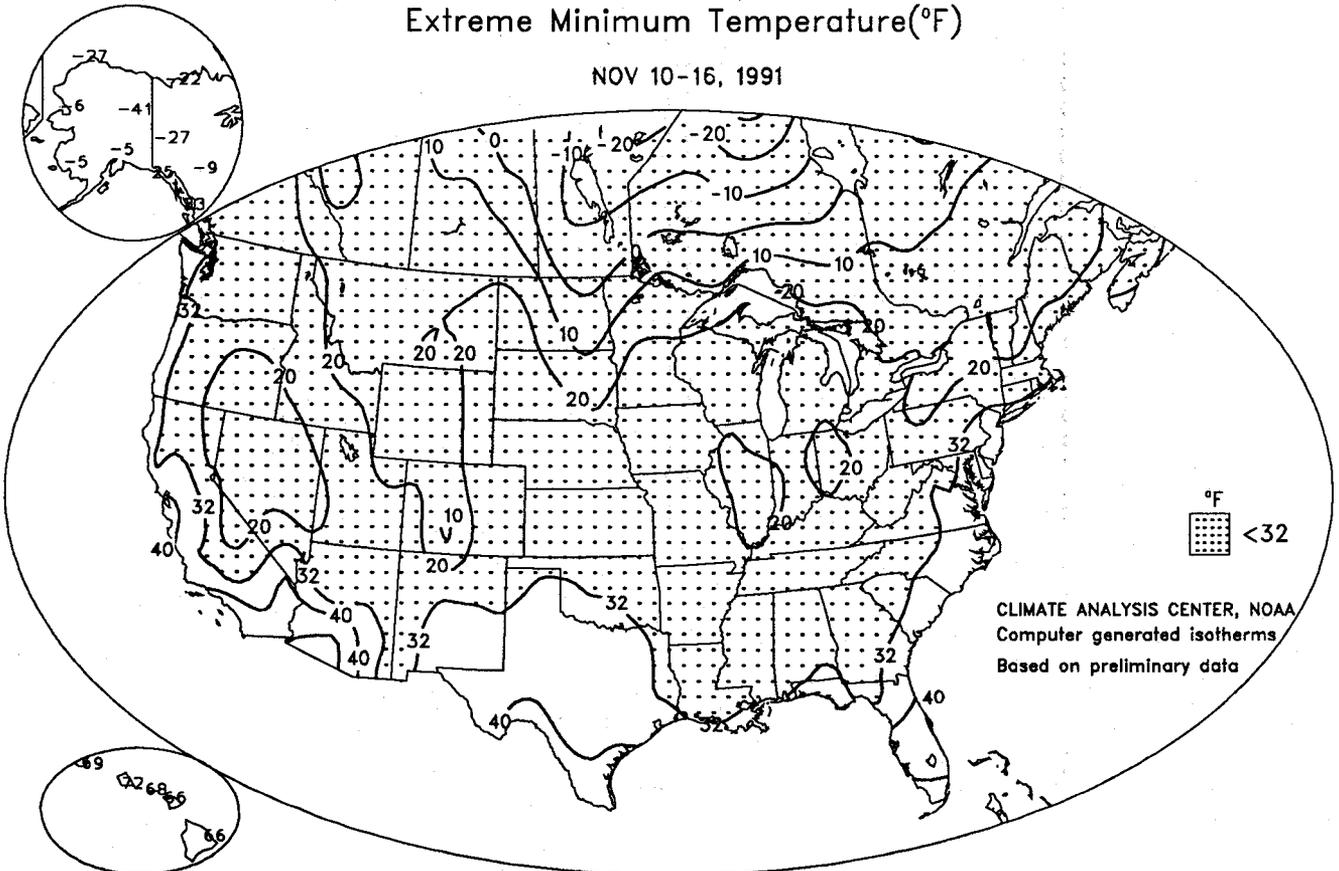
Departure of Average Temperature from Normal(°F)

NOV 10-16, 1991



Extreme Minimum Temperature(°F)

NOV 10-16, 1991



National Weather Data for Selected Cities

Weather Data for the Week Ending November 16, 1991

STATES AND STATIONS	TEMPERATURE °F					PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS					
	AVERAGE	MAXIMUM	AVERAGE	EXTREME	EXTREME	AVERAGE	DEPARTURE	WEEKLY	DEPARTURE	GREATEST IN	TOTAL, IN.,	PCT. NORMAL	TOTAL, IN.,	PCT. NORMAL	AVERAGE	AVERAGE	90 AND ABOVE	32 AND BELOW	.01 INCH	.50 INCH
	MINIMUM	HIGH	LOW	FROM NORMAL	TOTAL, IN.	FROM NORMAL	24-HOUR, IN.	SINCE Sept 1	SINCE Sept 1	SINCE Jan 1	SINCE Jan 1	SINCE Jan 1	MAXIMUM	MINIMUM	OR MORE	OR MORE				
AL BIRMINGHAM	67	34	78	26	50	-2	.0	-1.8	.0	4.4	51	46.7	98	87	28	0	4	0	0	0
MOBILE	70	40	77	28	55	-4	.0	-1.8	.0	3.0	28	73.1	128	98	34	0	1	0	0	0
MONTGOMERY	70	35	78	29	53	-3	.0	-1.6	.0	5.6	67	57.2	135	88	27	0	4	0	0	0
AK ANCHORAGE	25	15	31	7	20	-3	.1	-2.2	.1	5.6	118	14.2	107	95	74	0	7	2	0	0
BARROW	1	-17	24	-27	-8	-8	.0	.0	.0	1.9	64	1.8	41	84	63	0	7	1	0	0
FAIRBANKS	2	-16	15	-29	-7	-12	.0	-2.2	.0	1.9	85	7.9	85	83	67	0	7	1	0	0
JUNEAU	41	35	44	30	38	5	2.4	1.2	1.3	28.4	167	69.9	152	99	86	0	1	6	1	1
KODIAK	43	30	45	22	37	1	1.4	-1.1	.8	31.5	192	96.5	165	97	74	0	5	4	1	1
NOME	20	8	24	0	14	-3	.0	-2.2	.0	5.0	123	13.6	101	68	42	0	7	0	0	0
AZ PHOENIX	74	58	80	51	66	5	1.6	1.3	1.3	2.8	189	6.3	108	75	33	0	0	0	0	0
PRESCOTT	57	37	66	26	47	2	1.6	1.3	1.3	3.5	103	13.2	80	82	45	0	3	3	1	1
TUCSON	71	49	76	39	60	1	1.6	1.3	1.3	2.9	114	9.1	93	91	39	0	3	3	0	0
YUMA	79	60	86	50	70	5	1.5	1.3	1.3	5.5	83	2.3	115	56	27	0	0	0	0	0
AR FORT SMITH	63	42	75	28	53	2	1.1	-1.0	.7	14.8	178	39.0	111	93	54	0	3	3	1	0
LITTLE ROCK	63	45	76	30	54	2	.0	-1.0	.0	10.0	107	50.3	118	73	54	0	1	1	0	0
CA BAKERSFIELD	68	46	75	36	57	0	.0	-2.2	.0	.3	42	4.9	106	82	42	0	0	0	0	0
EUREKA	59	44	69	37	52	0	.7	-1.7	.3	2.0	30	19.7	68	94	74	0	0	4	0	0
FRESNO	69	45	77	35	57	3	.0	-1.3	.0	.8	70	9.3	114	90	45	0	0	0	0	0
LOS ANGELES	73	56	86	49	64	2	.0	-1.4	.0	.2	14	8.2	86	83	40	0	0	0	0	0
REDDING	68	44	76	31	56	2	.0	-1.3	.0	2.2	38	19.5	63	79	32	0	1	0	0	0
SACRAMENTO	70	43	75	35	57	3	.0	-1.5	.0	1.3	59	14.0	109	88	38	0	0	0	0	0
SAN DIEGO	73	56	88	50	65	2	.0	-1.3	.0	1.0	95	11.8	163	81	43	0	0	0	0	0
SAN FRANCISCO	67	50	73	43	58	3	.0	-1.5	.0	1.8	77	13.1	89	88	44	0	0	0	0	0
CO DENVER	52	32	73	26	42	3	.9	.7	.7	2.6	100	18.6	131	87	48	0	4	3	1	0
GRAND JUNCTION	52	34	60	26	43	2	.7	.6	.5	4.3	223	8.4	120	93	52	0	3	3	0	0
PUEBLO	54	30	72	22	42	1	.8	.7	.6	2.9	152	12.1	118	86	48	0	5	3	1	0
CT BRIDGEPORT	50	38	62	35	44	-2	.6	-1.3	.4	6.0	70	34.0	95	93	62	0	0	5	0	0
HARTFORD	47	33	57	29	40	-3	1.0	-1.1	.9	9.9	104	41.4	109	96	60	0	2	3	1	1
DC WASHINGTON	57	40	71	35	48	-1	.2	-1.4	.1	5.8	77	24.0	70	92	48	0	0	3	0	0
FL APALACHICOLA	70	43	77	37	57	-5	.0	-1.6	.0	2.9	22	88.7	177	92	40	0	0	0	0	0
DAYTONA BEACH	73	48	81	41	61	-5	.0	-1.6	.0	8.9	69	65.5	145	97	46	0	0	0	0	0
JACKSONVILLE	71	42	81	36	57	-6	.0	-1.4	.0	13.1	117	78.9	163	97	44	0	0	0	0	0
KEY WEST	75	66	80	60	71	-5	.0	-1.8	.0	12.5	95	40.4	111	87	60	0	0	0	0	0
MIAMI	78	59	84	53	69	-4	.0	-1.6	.0	33.0	195	70.3	129	87	51	0	0	1	0	0
ORLANDO	74	51	83	43	63	-5	.0	-1.4	.0	9.4	90	60.5	130	94	45	0	0	0	0	0
TALLAHASSEE	73	35	83	27	54	-5	.0	-1.7	.0	2.4	22	70.4	121	92	31	0	4	0	0	0
TAMPA	75	49	83	43	62	-5	.0	-1.4	.0	4.3	45	41.3	95	96	42	0	0	0	0	0
WEST PALM BEACH	77	57	82	46	67	-5	.0	-1.8	.0	14.2	74	73.3	131	89	49	0	0	0	0	0
GA ATLANTA	65	41	76	36	53	0	.0	-1.8	.0	3.0	40	50.5	119	73	29	0	0	1	0	0
AUGUSTA	67	35	81	28	51	-3	.0	-1.4	.0	3.3	50	53.9	140	100	39	0	1	1	0	0
MACON	70	38	81	30	54	-2	.2	-1.3	.2	1.4	22	48.3	123	90	32	0	1	1	0	0
SAVANNAH	67	41	78	36	54	-4	.0	-1.4	.0	3.2	38	66.6	145	95	45	0	0	0	0	0
HI HILO	83	69	85	66	76	2	.3	-3.2	.3	16.3	67	132.7	123	92	63	0	0	2	0	0
HONOLULU	86	74	88	72	80	3	.3	-1.5	.2	4.3	104	15.4	84	84	55	0	0	2	0	0
KAHULUI	89	69	90	66	79	3	.0	-1.5	.0	1.3	62	10.6	74	87	52	2	0	0	1	0
LIRUE	80	73	82	69	77	1	.7	-1.6	.5	5.6	58	29.7	83	90	75	0	0	4	1	0
ID BOISE	50	30	54	22	40	-1	.0	-1.3	.0	2.1	107	8.3	88	96	54	0	4	1	0	0
LEWISTON	51	37	56	28	44	3	.2	-1.1	.2	1.0	42	9.5	87	89	51	0	2	1	0	0
POCATELLO	47	30	57	22	39	2	.4	-1.2	.2	2.3	114	12.7	137	94	49	0	5	2	0	0
IL CHICAGO	48	33	57	20	41	-1	.9	-1.4	.6	11.2	156	31.5	103	96	65	0	2	4	1	0
MOLINE	48	33	58	20	40	0	.6	-1.2	.5	9.9	133	29.2	86	95	70	0	3	2	0	0
PRORIA	49	35	59	20	42	1	.8	-1.4	.6	12.6	175	32.2	101	98	74	0	4	3	1	0
QUINCY	49	37	64	20	43	0	.4	-1.1	.3	11.0	127	33.5	96	93	71	0	3	2	0	0
ROCKFORD	47	31	57	19	39	0	.7	-1.1	.4	10.5	134	27.5	82	95	70	0	6	2	0	0
SPRINGFIELD	50	37	63	19	44	0	.3	-1.1	.1	11.9	173	34.3	111	99	74	0	2	2	0	0
IN EVANSVILLE	53	37	60	20	45	-1	.4	-1.4	.2	6.3	92	25.9	71	91	57	0	3	3	0	0
FORT WAYNE	50	33	62	20	42	1	.5	-1.1	.3	12.0	185	40.4	131	97	60	0	3	4	0	0
INDIANAPOLIS	52	36	61	21	44	1	.3	-1.4	.1	7.2	106	32.7	95	93	60	0	2	4	0	0
SOUTH BEND	50	34	62	20	42	1	.6	-1.1	.3	12.4	156	32.9	98	95	62	0	3	3	0	0
IA DES MOINES	48	34	60	31	41	1	.3	-1.0	.2	7.0	115	35.1	121	97	67	0	3	3	0	0
SIOUX CITY	43	30	52	27	37	-1	.1	-1.1	.1	4.5	94	22.9	95	96	73	0	6	2	0	0
WATERLOO	46	30	56	24	38	1	.2	-1.2	.1	9.2	136	39.2	127	97	73	0	6	5	0	0
KS CONCORDIA	51	35	65	28	43	1	.5	-1.3	.3	2.5	45	17.6	68	97	69	0	6	2	0	0
DODGE CITY	51	36	67	32	44	1	1.1	1.0	1.0	2.7	78	9.8	50	96	70	0	3	3	1	1
GOODLAND	51	32	71	28	41	3	.8	-1.6	.7	2.5	92	21.5	139	90	54	0	1	3	2	1
TOPEKA	54	38	72	31	46	2	1.4	1.0	1.1	7.0	95	26.2	83	96	71	0	3	4	1	1
WICHITA	55	38	68	28	46	1	2.2	1.8	1.9	5.2	77	24.5	90	95	68	0	2	4	1	1
KY BOWLING GREEN	57	35	65	23	46	-1	.0	-1.9	.0	7.0	89	38.3	90	90	52	0	3	1	0	0
LEXINGTON	55	35	68	20	45	-1	.3	-1.5	.2	5.1	71	33.6	83	92	48	0	3	3	0	0
LOUISVILLE	55	39	65	24	47	0	.2	-1.6	.1	5.7	73	31.7	83	83	47	0	2	3	0	0
LA ALEXANDRIA	71	44	83	26	58	0	.0	-1.9	.0	8.0	100	67.0	148	92	41	0	1	0	0	0
BATON ROUGE	73	42	82	28	58	0	.0	-1.9	.0	9.2	102	66.3	136	92	36	0	2	0	0	0
LAKE CHARLES	72	47	79	29	59	-1	.0	-1.0	.0	7.4	65	65.4	140	97	46	0	1	0	0	0
NEW ORLEANS	71	42	82	31	57	-4	.0	-1.9	.0	5.5	53	97.8	188	98	39	0	1	0	0	0

Based on 1951-80 normals

Weather Data for the Week Ending November 16, 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			
SHREVEPORT	69	44	79	28	57	1	T	-.8	T	7.5	95	71.0	187	96	46	0	1	2	0	0		
ME CARIBOU	35	24	38	12	30			-.9	-.7	8.9	108	32.6	103	90	67	0	7	3	1	1		
PORTLAND	44	29	51	25	37			1.9	1.8	10.2	108	50.7	139	94	59	0	7	4	1	1		
MD BALTIMORE	55	36	70	31	45			1.5	1.5	6.8	83	25.0	68	91	44	0	2	3	0	0		
SALISBURY	59	38	70	32	48			.4	.3	7.5	81	39.9	99	92	53	0	2	2	0	0		
MA BOSTON	48	37	57	34	43			1.3	1.4	12.9	145	37.9	102	88	59	0	0	4	1	1		
CHATHAM	49	39	54	37	44			2.4	1.4	12.1	121	34.0	86	87	69	0	0	5	1	1		
MI ALPENA	45	28	53	22	37			-.2	-.2	9.3	147	31.4	121	95	60	0	5	2	0	0		
DETROIT	49	33	56	23	41			.4	-.2	5.6	101	25.7	95	93	59	0	4	4	0	0		
FLINT	48	31	55	20	39			.5	-.1	4.7	84	27.1	105	94	62	0	4	3	0	0		
GRAND RAPIDS	47	32	55	22	39			1.5	-.8	10.9	147	38.2	129	95	63	0	3	2	2	0		
HOUGHTON LAKE	43	31	48	26	37			.6	-.1	13.7	219	34.6	138	91	64	0	3	3	0	0		
LANSING	48	30	57	20	39			-.1	-.1	5.7	94	26.5	102	94	64	0	4	4	0	0		
MARQUETTE	39	26	51	22	33			.5	-.2	9.1	103	31.0	93	95	80	0	7	3	1	1		
MUSKOGON	46	34	53	26	40			1.4	-.7	12.6	174	37.2	136	92	60	0	3	3	2	0		
SAULT ST. MARIE	40	30	46	23	35			1	-.4	11.2	132	28.5	98	91	74	0	5	3	4	0		
MN ALEXANDRIA	37	28	50	23	33			-.1	-.2	5.6	115	27.4	117	94	73	0	5	1	0	0		
DULUTH	39	27	55	19	33			-.1	-.3	13.7	215	39.4	144	93	60	0	7	2	0	0		
INT'L FALLS	36	24	50	16	30			T	-.3	T	7.5	133	26.2	115	94	66	0	7	0	0	0	
MINNEAPOLIS	39	29	49	24	34			-.1	-.2	10.4	205	32.8	132	94	72	0	6	2	0	0		
ROCHESTER	39	29	53	22	34			-.1	-.1	7.1	108	32.3	120	98	75	0	6	4	0	0		
MS GREENWOOD	69	40	80	24	54			.0	-1.0	6.7	80	56.2	124	93	33	0	3	0	0	0		
JACKSON	70	38	80	23	54			.0	-.9	6.5	84	55.5	125	94	33	0	3	0	0	0		
MERIDIAN	69	37	77	24	53			.0	-.8	7.9	101	62.4	136	92	32	0	3	0	0	0		
MO CAPE GIRARDEAU	56	37	63	20	47			-.2	-.7	8.4	104	36.4	93	92	55	0	4	3	0	0		
COLUMBIA	53	38	70	23	46			1	.5	8.4	100	30.2	89	91	67	0	2	4	0	0		
KANSAS CITY	52	38	68	30	45			.0	-.3	6.7	78	25.5	75	94	70	0	2	4	0	0		
SAINT LOUIS	54	40	69	25	47			1	-.4	10.0	157	29.4	97	92	63	0	2	4	0	0		
SPRINGFIELD	58	41	70	27	49			4	-.8	8.2	90	31.1	87	88	62	0	1	3	1	1		
MT BILLINGS	49	33	62	23	41			6	-.1	5.0	175	20.1	146	85	43	0	5	2	0	0		
GLASGOW	50	27	57	19	38			8	-.1	1.1	66	10.8	104	92	45	0	6	0	0	0		
GREAT FALLS	51	29	57	18	40			5	-.2	2.4	108	13.8	99	74	29	0	5	0	0	0		
HAVRE	51	27	56	17	39			8	-.1	.5	30	9.0	82	88	41	0	6	0	0	0		
HELENA	47	25	54	13	36			4	-.1	T	2.1	117	10.5	99	92	43	0	5	2	0	0	
KALISPELL	41	27	48	19	34			2	-.1	2.8	105	13.7	101	97	71	0	6	4	0	0		
MILES CITY	52	31	59	22	41			8	-.1	4.6	198	19.9	149	86	49	0	5	0	0	0		
MISSOULA	44	26	52	15	35			2	-.1	1.1	49	9.6	83	94	58	0	6	2	0	0		
NE GRAND ISLAND	51	30	67	27	41			2	-.2	3.0	74	26.7	121	94	58	0	4	2	0	0		
LINCOLN	48	32	61	30	40			0	-.2	3.6	69	21.7	84	97	73	0	5	2	0	0		
NORFOLK	47	27	65	20	37			0	-.1	4.2	110	26.8	118	98	67	0	6	2	0	0		
NORTH PLATTE	51	28	70	22	40			4	-.7	6.6	163	19.7	106	95	51	0	7	3	1	1		
OMAHA	45	33	55	27	39			-2	T	5.4	85	34.1	118	93	80	0	4	1	0	0		
SCOTTSBLUFF	51	31	72	25	41			4	-.1	2.5	120	14.1	102	90	47	0	5	2	0	0		
VALENTINE	51	28	69	24	39			4	-.2	2.7	107	21.2	128	96	53	0	7	2	0	0		
NV BLY	51	23	63	15	37			2	-.1	T	2.4	151	9.4	119	93	48	0	7	1	0	0	
LAS VEGAS	67	47	75	40	57			3	-.4	.3	5	3.8	109	71	35	0	0	2	0	0		
RENO	55	30	67	21	43			2	-.3	.3	1.3	156	4.6	81	92	43	0	4	1	0	0	
WINNEMUCCA	52	26	62	14	39			1	-.1	1.7	131	6.6	102	92	49	0	6	1	0	0		
NH CONCORD	44	27	50	19	36			-3	2.6	1.7	2.5	11.4	140	33.6	107	97	62	0	6	2	1	
NJ ATLANTIC CITY	55	35	64	31	45			-2	.5	-.3	2.2	4.6	58	30.5	84	95	58	0	2	5	0	0
NM ALBUQUERQUE	56	40	64	33	48			3	1.8	1.7	1.3	3.5	188	10.0	139	87	49	0	0	5	1	
CLOVIS	53	40	67	32	46			-1	1.2	1.1	.8	5.1	127	21.3	131	94	64	0	1	3	1	1
ROSWELL	59	45	72	41	52			4	.9	.8	.5	5.1	169	18.6	184	92	53	0	0	3	0	0
NY ALBANY	45	30	53	25	38			-3	1.9	1.2	1.7	9.0	117	30.0	96	92	65	0	5	3	1	1
BINGHAMTON	44	31	53	23	38			-1	1.7	1.0	.9	6.0	75	27.9	86	89	64	0	4	6	2	0
BUFFALO	46	34	58	19	40			-1	-.7	-.1	.5	8.0	99	34.1	106	98	66	0	3	5	0	0
NEW YORK	52	40	62	38	46			-3	.5	-.4	-.3	5.3	61	33.5	90	87	54	0	0	3	0	0
ROCHESTER	45	33	58	15	39			-3	1.1	.5	.7	5.7	86	25.1	91	95	64	0	4	4	1	1
SYRACUSE	45	31	55	17	38			-4	1.1	.3	.5	8.0	97	32.3	95	95	64	0	2	6	0	0
NC ASHEVILLE	59	32	75	27	46			-1	-.2	1.8	21	35.8	91	85	34	0	5	1	0	0	0	
CHARLOTTE	63	39	80	31	51			-1	.7	1.7	3.8	49	41.0	107	89	39	0	1	1	1	1	
GREENSBORO	61	35	75	29	48			-2	1.1	.5	1.1	7.2	88	38.9	103	87	38	0	3	1	1	1
BATTERAS	62	44	74	38	53			-4	-.2	-.9	10.0	76	59.6	122	94	55	0	0	1	0	0	
NEW BERN	65	42	78	36	54			0	-.2	-.5	2.2	9.8	92	46.8	98	94	46	0	0	1	0	0
RALEIGH	62	39	77	31	50			0	.4	-.3	.4	5.2	69	32.7	88	88	42	0	1	1	0	0
WILMINGTON	64	42	78	37	53			-3	T	-.7	T	6.9	66	54.9	114	97	46	0	1	0	0	0
ND BISMARCK	40	24	50	13	32			2	-.1	T	5.1	212	16.2	112	96	69	0	7	0	0	0	0
FARGO	36	25	48	11	31			1	T	-.2	T	2.3	63	20.3	110	95	78	0	6	1	0	0
GRAND FORKS	37	22	51	4	29			2	T	-.2	T	5.6	156	21.0	121	94	71	0	7	0	0	0
WILLISTON	46	26	57	22	36			7	T	-.1	T	3.6	153	17.4	137	95	61	0	7	0	0	0
OH AKRON-CANTON	47	31	58	18	39			-3	1.0	-.4	-.4	5.0	77	19.8	62	95	57	0	5	6	0	0
CINCINNATI	53	33	62	19	43			-1	-.2	-.5	-.1	4.4	62	33.5	95	93	48	0	3	4	0	0
CLEVELAND	48	34	59	19	41			-2	1.5	.9	.7	7.7	114	29.2	94	96	62	0	3	6	1	0
COLUMBUS	52	31	63	20	41			-2	.2	.1	6.0	101	27.9	85	93	44	0	4	2	0	0	0

Based on 1951-80 normals

Weather Data for the Week Ending November 16, 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
DAYTON	51	33	60	18	42	-1	.2	-.4	.2	5.3	92	31.9	104	92	52	0	0	4	3	2	0	
TOLEDO	49	33	59	20	41	.0	.2	-.4	.1	6.7	118	24.0	87	93	62	0	0	3	3	0	0	
YOUNGSTOWN	47	32	59	16	39	-.2	.8	-.1	.3	4.9	69	22.1	67	95	57	0	0	4	5	0	0	
OKLAHOMA CITY	58	43	65	31	51	1	1.6	1.3	1.4	17.6	249	37.6	130	97	67	0	0	1	3	3	1	
TULSA	60	43	70	31	52	2	1.6	1.0	1.4	12.9	140	28.6	80	88	63	0	0	1	3	1	1	
OR ASTORIA	55	41	59	30	48	2	1.9	-.5	.7	7.6	52	45.2	85	97	72	0	0	1	4	2	2	
BURNS	46	26	53	15	36	.2	.2	-.1	.2	.4	19	4.8	59	94	54	0	0	6	1	0	0	
MEDFORD	56	36	65	27	46	.2	.6	-.1	.4	1.1	29	11.7	80	100	60	0	0	2	3	0	0	
PENDLETON	52	38	57	28	45	.3	.5	-.1	.4	2.1	95	11.4	118	93	65	0	0	2	4	0	0	
PORTLAND	56	44	63	36	50	4	1.2	-.1	.7	4.3	60	25.7	91	98	71	0	0	0	4	1	1	
SALEM	55	42	64	32	48	3	1.1	-.2	.6	4.3	57	26.3	87	94	74	0	0	1	4	1	1	
PA ALLENTOWN	51	37	60	34	44	0	.5	-.4	.3	6.4	71	28.9	75	92	54	0	0	0	4	0	0	
ERIE	49	36	60	22	42	0	.9	.0	.3	7.4	77	26.5	76	91	53	0	0	1	6	0	0	
HARRISBURG	52	39	63	32	45	1	.5	-.2	.5	5.1	64	26.8	78	87	53	0	0	1	1	1	1	
PHILADELPHIA	54	39	65	36	46	-.1	.5	-.3	.4	5.7	71	31.3	86	90	52	0	0	0	4	0	0	
PITTSBURGH	48	33	66	27	41	-.1	1.0	.4	.4	5.1	78	27.5	84	93	57	0	0	5	6	0	0	
SCRANTON	47	34	58	31	41	-.2	.9	.2	.5	5.9	77	24.6	80	91	61	0	0	1	5	1	1	
RI PROVIDENCE	50	35	58	30	43	-.1	2.3	1.3	2.0	10.3	110	40.5	105	91	54	0	0	1	4	1	1	
SC CHARLESTON	66	42	78	39	54	.0	.0	-.5	.0	4.5	50	47.8	101	95	45	0	0	0	0	0	0	
COLUMBIA	67	37	81	30	52	.3	T	-.6	T	4.3	54	59.7	135	97	42	0	0	2	0	0	0	
FLORENCE	65	41	80	35	53	.1	.1	-.4	.1	6.0	79	42.5	107	94	42	0	0	0	1	0	0	
GREENVILLE	64	35	80	27	50	-.2	.3	-.4	.3	2.6	27	43.9	97	89	33	0	0	3	1	0	0	
SD ABERDEEN	42	22	56	10	32	.1	T	-.1	T	1.7	61	22.7	135	98	69	0	0	7	0	0	0	
HURON	44	25	58	15	35	1	.1	.0	.1	3.1	97	22.7	128	94	65	0	0	7	1	0	0	
RAPID CITY	52	31	73	25	42	.6	T	-.1	T	1.8	87	16.7	109	89	50	0	0	4	1	0	0	
SIOUX FALLS	41	28	59	23	35	0	.1	-.1	.1	6.0	123	25.8	113	98	73	0	0	7	2	0	0	
TN CHATTANOOGA	62	33	73	26	47	.0	.0	-1.0	.0	3.5	37	44.0	97	86	31	0	0	4	0	0	0	
KNOXVILLE	57	34	72	28	46	-.4	T	-.8	T	4.8	64	43.4	107	97	46	0	0	3	0	0	0	
MEMPHIS	63	41	79	28	52	.0	T	-.9	T	6.2	78	48.9	110	87	43	0	0	2	1	0	0	
NASHVILLE	60	36	70	25	48	-.2	T	-.8	T	9.6	120	36.4	87	90	48	0	0	4	0	0	0	
TX ABILENE	64	48	74	39	56	.2	.2	-.1	.1	8.7	141	27.0	123	95	56	0	0	0	3	0	0	
AMARILLO	52	39	67	33	46	0	.7	.5	.6	3.4	97	13.7	75	99	72	0	0	0	3	1	1	
AUSTIN	72	54	77	33	63	.4	.1	-.4	.0	5.4	66	37.3	132	89	57	0	0	0	2	0	0	
BEAUMONT	74	49	79	33	61	.0	.0	-1.0	.0	11.8	105	66.9	139	96	47	0	0	0	0	0	0	
BROWNSVILLE	80	61	84	44	71	.2	T	-.3	T	9.1	94	29.5	125	92	53	0	0	0	1	0	0	
CORPUS CHRISTI	76	60	80	45	68	.4	T	-.3	T	10.2	101	38.0	130	95	60	0	0	0	1	0	0	
DEL RIO	71	57	79	43	64	.4	1.4	1.2	.8	8.7	157	19.0	116	81	54	0	0	0	3	1	1	
EL PASO	63	48	74	41	55	.3	.5	.4	.3	2.5	111	8.9	125	90	50	0	0	0	4	0	0	
FORT WORTH	67	50	74	35	58	.2	.2	-.3	.2	14.2	186	44.0	155	87	57	0	0	0	1	0	0	
GALVESTON	69	56	75	43	63	-.1	.0	-.7	.0	8.7	85	53.7	152	90	58	0	0	0	0	0	0	
HOUSTON	74	51	80	32	62	1	T	-.8	T	6.8	63	48.2	118	95	51	0	0	1	1	0	0	
LUBBOCK	54	44	66	38	49	0	1.0	.9	.8	8.4	200	21.8	129	99	78	0	0	0	4	1	1	
MIDLAND	59	45	73	36	52	-.1	.7	-.6	.3	5.2	136	21.4	167	95	64	0	0	0	5	0	0	
SAN ANGELO	63	46	74	37	55	.0	.2	.0	.1	8.3	147	20.4	120	95	63	0	0	0	3	0	0	
SAN ANTONIO	74	56	79	34	65	.5	.1	-.5	.0	2.4	30	28.4	107	88	55	0	0	0	2	0	0	
VICTORIA	76	57	79	38	66	.3	T	-.5	T	6.5	61	50.0	148	93	54	0	0	0	2	0	0	
WACO	70	51	78	35	60	.2	.8	-.3	.8	8.2	109	36.3	130	90	57	0	0	0	2	1	1	
WICHITA FALLS	62	45	70	34	54	1	.7	.4	.5	12.9	190	28.9	117	94	64	0	0	0	4	0	0	
UT CEDAR CITY	50	32	62	28	41	1	.7	.5	.3	3.6	165	11.5	125	96	56	0	0	5	4	0	0	
SALT LAKE CITY	52	35	60	31	44	.3	.3	.0	.3	5.7	216	16.2	123	92	53	0	0	2	2	0	0	
VT BURLINGTON	42	28	49	15	35	-.3	.6	-.1	.3	10.8	144	30.3	102	97	67	0	0	7	3	0	0	
VA NORFOLK	61	44	76	38	53	0	.5	-.1	.5	7.8	85	39.8	98	93	53	0	0	0	2	1	0	
RICHMOND	61	38	76	31	50	0	.3	-.5	.3	5.6	62	31.0	80	90	49	0	0	1	1	0	0	
ROANOKE	60	40	77	33	50	.2	1.4	-.8	1.4	1.7	21	32.3	93	71	35	0	0	0	1	1	1	
WA QUILLAYUTE	52	42	57	31	47	.2	3.6	-.7	1.6	10.4	45	77.5	94	99	77	0	0	1	6	2	2	
SEATTLE-TACOMA	54	43	60	32	48	.3	1.1	-.2	.5	3.7	45	29.1	99	97	71	0	0	1	5	1	1	
SPOKANE	44	32	53	22	38	.3	.5	.1	.4	1.6	59	11.3	87	98	75	0	0	4	3	0	0	
YAKIMA	50	33	59	22	41	.3	.2	-.1	.1	1.3	100	6.6	110	99	66	0	0	3	3	0	0	
WV BECKLEY	46	35	66	26	40	-.2	1.8	1.1	1.7	5.2	67	31.6	84	85	55	0	0	4	3	1	1	
CHARLESTON	51	35	73	30	43	-.3	1.1	-.5	.6	7.7	109	32.7	87	94	56	0	0	4	6	1	1	
HUNTINGTON	53	35	72	26	44	-.3	.5	-.1	.3	3.8	56	30.7	85	86	46	0	0	3	3	0	0	
PARKERSBURG	50	33	70	26	42	-.4	.5	-.1	.3	5.6	86	35.8	106	93	62	0	0	3	3	0	0	
WI GREEN BAY	41	28	50	24	35	-.1	.5	-.1	.3	6.9	111	23.2	91	98	72	0	0	7	4	0	0	
LACROSSE	40	30	51	26	35	-.2	.5	-.1	.3	5.7	89	31.2	111	95	71	0	0	5	4	0	0	
MADISON	44	29	55	21	36	0	.8	-.3	.4	10.9	174	35.1	124	97	72	0	0	6	5	0	0	
MILWAUKEE	46	33	57	25	40	0	.4	-.2	.3	12.6	205	35.3	127	92	66	0	0	2	4	0	0	
WAUSAU	38	27	49	23	33	0	.7	-.1	.3	8.6	120	34.2	116	99	77	0	0	7	2	0	0	
WY CASPER	48	28	63	18	38	.4	.3	-.2	.3	1.5	77	11.4	110	87	48	0	0	6	2	0	0	
CHEYENNE	46	29	65	25	37	.2	.3	-.1	.1	2.8	135	18.2	143	89	48	0	0	6	4	0	0	
LANDER	44	26	58	11	35	.3	1.1	-.9	.8	3.1	124	13.8	113	90	52	0	0	5	2	1	1	
SHERIDAN	47	27	64	15	37	.4	1.1	-.9	.6	3.7	132	14.4	103	86	56	0	0	5	2	2	2	

Based on 1951-80 normals

National Agricultural Summary

November 11 - 17, 1991

HIGHLIGHTS: Snowfall in the Rocky Mountains interrupted fieldwork, as did rain and wet field conditions in the southern and central Great Plains. Winter grain growers in the Pacific Northwest and across the Central United States welcomed the additional soil moisture brought by rains.

SMALL GRAINS: Small grain seeding was delayed in parts of the Southeast due to dry soil conditions. Winter wheat seeding neared completion in the Pacific Northwest, where warmer temperatures and additional moisture benefited the crop. Seeding was interrupted by rains in Texas. Emergence of the 1992 winter wheat crop, at 83 percent (%) complete, remained 6 percentage points behind both last year and the 5-year average. Cold weather in the Central States continued to limit emergence, while higher temperatures in the West and Southeast permitted faster emergence. Crop condition ratings remained mostly fair to good for the major producing States, with predominately good ratings in the Rocky Mountains. Kansas' ratings improved somewhat with the arrival of much needed rain, while concerns over the previous week's freeze lowered ratings in Illinois.

CORN: Corn harvest was in the late stages in the Corn Belt and reached 86% complete in Pennsylvania. Snow late in the week halted harvest in Colorado.

SOYBEANS: Harvest reached 95% complete in the 19 major producing States, matching last year and 3 points ahead of the average. Continued dry weather in the Southeast allowed growers to make good progress harvesting. Harvest was completed in the northern producing States under cool and mostly dry conditions.

COTTON: Cotton harvest was 71% complete in the 14 major producing States, compared with 74% last year and 68% average. Rains slowed picking in the South Central States, while growers made good progress in California and the Southeast.

GRAIN SORGHUM: Sorghum harvest was slowed by rains in Texas and Oklahoma but continued in New Mexico. Colorado growers were kept out of the fields due to snow late in the week.

OTHER FIELD CROPS: Dry bean harvest was nearly completed in California. Potato digging was declining in Oregon and Washington, while continuing in full swing in the Tulalake-Butte Valley area of California. Peanut harvest was

interrupted by rainfall in Oklahoma and Texas. Some late sunflowers were harvested in North Dakota. Sweetpotato digging remained active, though well along, in the Southeast. Sugarbeet harvest was nearly complete in California and well along in Idaho.

FRUIT AND NUTS: Pecan harvest was in full swing in the Southwest and Southeast while interrupted by rains in Texas and Oklahoma. Lemon, grapefruit, orange, and tangerine harvests were active in western and central Arizona. Apples and pistachios were being picked in eastern Arizona. Navel orange harvest gathered momentum in California's San Joaquin Valley and the Desert area citrus harvest continued. California avocado, kiwifruit, and late variety apple picking remained active. Florida harvest of oranges for processing was increasing, as was picking of grapefruit, tangerines, and tangelos. The New Jersey cranberry harvest was in the final stages, and Oregon's cranberry harvest was finished. Wine grape harvest was also completed in Oregon.

VEGETABLES: Lettuce and mixed vegetable harvests continued in Arizona. Broccoli, cauliflower, and celery harvests continued in the Salinas-Watsonville and Santa Maria areas of California, while lettuce volume was seasonally declining. Fall quarter fresh market tomato harvest was active in the State, as was harvesting of beans, cabbage, and cucumbers. Harvest of most fall crops in central Florida were at or past their peak, while supplies in southern areas were increasing. Florida's volume leaders were tomatoes, cucumbers, squash, peppers, and sweet corn. Onion planting was underway in Georgia. Lettuce and red chile harvests continued in New Mexico. Cabbage and pumpkin harvests remained active on the Texas High Plains, while onions were being planted in the Rio Grande Valley.

PASTURES AND LIVESTOCK: Rains improved prospects for wheat grazing in the southern Great Plains. Wet, cold weather continued to stress livestock in the Midwest, while late movement of livestock to winter pastures continued in the West.

Crop Progress

For Week Ending November 17, 1991

	Cotton % Harvested		
	1991	1990	Avg.
AL	97	99	94
AZ	85	89	78
AR	96	97	95
CA	95	90	88
GA	83	94	86
LA	96	98	98
MS	96	98	96
MO	96	96	97
NM	54	50	45
NC	84	88	78
OK	33	58	33
SC	85	93	85
TN	94	89	93
TX	46	51	42
14 States	71	74	68

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

	Soybeans % Harvested		
	1991	1990	Avg.
AL	83	86	79
AR	82	85	81
GA	79	81	73
IL	100	100	99
IN	100	99	99
IA	100	100	99
KS	100	98	85
KY	93	81	85
LA	93	97	92
MI	100	99	90
MN	99	99	99
MS	84	88	83
MO	92	94	91
NE	100	100	100
NC	53	56	46
OH	100	98	98
SC	51	45	44
SD	100	100	99
TN	84	80	84
19 States	95	95	92

These 19 states produced 95% of the 1990 soybeans crop.

Crop Condition

PERCENT

For Week Ending November 17, 1991

	Winter Wheat % Emerged		
	1991	1990	Avg.
AR	72	59	67
CA	5	10	16
CO	100	100	100
GA	16	20	23
ID	79	94	97
IL	98	87	94
IN	98	78	88
KS	75	98	95
MI	100	95	90
MO	82	83	84
MT	90	92	94
NE	100	100	100
NC	47	42	49
OH	94	75	84
OK	81	94	87
OR	78	91	80
SD	100	100	100
TX	83	84	88
WA	90	97	95
19 States	83	89	89

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

State	Winter Wheat				
	VP	P	F	G	EX
AR	0	6	30	64	0
CA	0	0	20	80	0
CO	1	3	22	64	10
GA	6	15	63	16	0
ID	0	2	27	66	5
IL	0	11	47	39	3
IN	0	6	36	55	3
KS	11	38	31	15	5
MI	0	0	15	50	35
MO	2	6	75	17	0
MT	0	1	30	64	5
NE	4	9	56	31	0
NC	2	11	30	57	0
OH	1	5	40	45	9
OK	0	2	72	26	0
OR	7	15	38	40	0
SD	0	5	40	50	5
TX	0	9	41	44	6
WA	0	20	24	56	0
19 State	3	14	42	37	4
Prev Week	4	15	38	39	4
Prev Year	1	3	26	56	14

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: No rainfall most areas; under 0.10 in. isolated areas. Temperatures 1 to 2° above normal.

Days suitable for fieldwork 6.5. Soil moisture 91% short, 9% adequate; lowest level of year. Seeding of small grains slowed due to lack of moisture; harvest of major crops nearing completion. Sorghum 96% harvested, 100% 1990, 97% avg. Cotton 97% harvested, 99% 1990, 94% avg. Soybeans 97% mature, 99% 1990, 97% avg.; 83% harvested, 86% 1990, 79% avg.; 6% very poor, 7% poor, 42% fair, 44% good, 1% excellent. Winter wheat 57% seeded, 59% 1990, 66% avg. Pastures 8% very poor, 43% poor, 38% fair, 11% good. Livestock 46% fair, 51% good, 3% excellent. Cattlemen continued feeding livestock due to poor grazing conditions. Activities: Harvesting cotton, sorghum, soybeans, pecans; scrapping cotton, shredding stalks; seeding small grains; preparing land for winter grazing; repairing equipment; general care of livestock, poultry, catfish.

ARIZONA: Showers, thunderstorms: 11th, northeast; 12th to 15th, southeast; 16th, northeast. Precipitation, 0.02 in. southwest to 3.42 in. north. Temperatures normal to 5° above normal. Extremes 22°; 72° higher elevations, 29°; 85° deserts.

Cotton harvested 85%, 89% 1990, 78% avg.; stalk shredding, plow down, active. Alfalfa harvest light; Alfalfa condition good. Small grains seeded 12%, 14% 1990, 5% avg. Peanuts harvested west. Lemons, grapefruits, oranges, tangerines harvested west, central. Watermelons, pecans, harvested central. Apples, pistachio harvest, east. Mixed vegetables harvested west, central, east. Lettuce harvested west, east.

ARKANSAS: Temperatures above normal, showers later part of week. Extremes 22°; 81°.

Days suitable for fieldwork 5. Soil moisture supplies 4% short, 78% adequate, 18% surplus. Pasture condition was 9% poor, 52% fair, 39% good. Alfalfa condition was 64% fair, 36% good. Other hay condition was 72% fair, 28% good. Livestock good. The main farming activities of the week were: ginning cotton; harvesting field crops; seeding small grains; feeding hay; shopwork; working cattle. Cotton harvest past peak. Some producers second picking cotton, with most gins running 24 hours a day.

CALIFORNIA: Strong high pressure with gusty offshore winds was punctuated by weak systems brushing the northern edge of the State bringing only light amounts of precipitation. Above normal temperatures early in the week cooled significantly by the end of the week.

Open weather permitted good progress field activities. Late rice harvest continued. Stubble incorporation ongoing. Cotton harvest excellent progress; shredding, plowdown for pink bollworm control. Ground preparation for 1992 crop active. Final cuttings alfalfa winding down. Older fields plowed under, reseeded. Corn, dry bean, sugar beet harvests near completion. Small grain field preparation, seeding continued. Emergence slowed, low soil

moisture. Orchard pruning active. Tokay grape vineyards pulled. Navel orange harvest gathered momentum in San Joaquin Valley. Avocado, kiwifruit, late variety apple picking continued. Desert area citrus harvest active. Broccoli volume fairly heavy Salinas-Watsonville area, moderate Santa Maria area, good quality. Fall harvest continued Fresno area. Harvest underway Kern-Tulare area. Cauliflower fairly heavy both Salinas-Watsonville, Santa Maria areas, variable quality. Plantings Kern-Tulare area sizing fairly well as harvest approaches. Celery harvest heavy Salinas-Watsonville area, fairly heavy Santa Maria area, good quality. Lettuce seasonally declining both Salinas-Watsonville, Santa Maria areas, variable quality. Westside area, fall harvest slower than normal, good quality. Onion, garlic planting continued, Westside area. Fall potato movement Tulelake-Butte Valley area active. Sweetpotato harvest completed Merced-Atwater area. Fall quarter fresh market tomato harvest active, Westside area. Other vegetables harvested: beans, cabbage, cucumbers. Range conditions very poor to good. Supplemental feeding continued. Pastures improved. Fall calving active.

COLORADO: High pressure dominated 12th through 14th with dry, warm weather. A powerful slow moving winter storm influenced the State with snow in southwest mountains on the 15th spread across central mountains, eastern plains on the 16th. Snowfalls of 9 to 12 in. were common. Temperatures 3 to 8° above normal.

FLORIDA: Atlantic coast received up to 0.50 in. Rest of State no rain. Temperature 2° below normal. Temperature below normal early in week, above normal weekend. Light frost Panhandle, northern Peninsula midweek. Lows, upper 20s to mid 30s north; upper 30s to mid 40s central interior, south; low to mid 50s southeast coast. Soil moisture: Panhandle, mostly short, Peninsula short to adequate. Sugarcane planting active. Small grain planting delayed most areas by dry soil. Cotton, sugarcane harvest active. Soybean harvest winding down. States pastures fair to good. Pasture ratings 25% poor, 60% fair, 15% good. States cattle herds mostly fair to good condition. All citrus in near excellent condition. Very little rainfall. Low volume irrigation continues, tree growth slow due to cool temperatures. Fruit condition good, maturity advanced on early fruit, orange harvest increases for processing. Grapefruit movement active, tangerine, tangelo harvest increasing. Caretakers cutting cover crops, preparing for winter. Cool, dry weather continued over major vegetable producing areas. Harvest of most fall crops in central areas are at or past peak. Supplies, southern areas, increasing. Volume leaders: Tomatoes, cucumbers, squash, peppers, sweet corn. Good supply snap beans, carrots, eggplant, specialty lettuce, radishes. Limited harvest celery, strawberries.

GEORGIA: Temperatures 1 to 4° above normal, except 1 to 3° below normal southeast. Highs middle 70s north, around 80° central, south. Lows mostly middle 20s north, some lower 20s colder

locations. Elsewhere, lows upper 20s to lower 30s common. Only few very widely scattered showers. Rainfall under 0.10 in.

Days suitable for fieldwork 6.3. Soil moisture 9% short, 53% adequate, 38% surplus. Cotton 5% poor, 37% fair, 38% good, 20% excellent; Previous week's frost damaged some late cotton. Sorghum 2% very poor, 1% poor, 35% fair, 62% good; 93% harvested for grain, 96% 1990, 95% avg. Soybeans 4% poor, 35% fair, 54% good, 7% excellent; excellent harvest weather. Wheat 23% planted, 37% 1990, 38% avg.; dry weather slowing planting, emergence. Rye 4% very poor, 30% poor, 51% fair, 15% good; 74% planted, 84% 1990, 79% avg. Other small grains 2% very poor, 32% poor, 49% fair, 17% good; 52% planted, 60% 1990, 62% avg. Pecans 7% very poor, 9% poor, 63% fair, 21% good; 63% harvested, 47% 1990, 49% avg.; yields, quality variable, below normal. Onions 28% planted. Pasture 4% very poor, 21% poor, 52% fair, 23% good. Cattle, hogs fair to good. Activities: Harvesting cotton, soybeans, pecans and planting small grains.

HAWAII: Warm, humid conditions prevailed with heavy showers falling on Kauai, Oahu midweek. Light trades contributed to hazy conditions, high humidity. Maui, Hawaii on irrigation watch. Rainfall none to 2.00 in.

Days suitable for fieldwork 7.0. Insect spraying normal. Banana production to increase. Cucumber harvesting active. Papaya orchards passed peak production; production lowering. Cucumber pickings active.

IDAHO: Precipitation fell statewide. Temperatures 1 to 6° above normal.

Soil moisture varied. Adequate amounts east, southwest; remainder of State short. Activities: Fall plowing, repairing equipment, harvesting sugarbeets. Winter wheat planting nearly complete; condition good. Hay, roughage adequate. Livestock activities: Moving cattle to winter ranges, calf weaning, shipping calves, vaccinations, pregnancy checking. Livestock good.

ILLINOIS: Temperatures 4 to 10° above normal. Precipitation 0.40 to 1.00 in. wetter than normal north, 0.25 to 0.60 in. drier than normal to the south.

Winter wheat was fair to good. Snow cover across the State was gone by week's end.

INDIANA: Temperatures 2 to 5° above normal. Highs upper 40s to mid 50s. Lows mid 30s to mid 40s. Precipitation 0.25 to 1.00 in. north, none to 0.50 in. central, south.

Wet, soft soil continued to limit field activities. A few farmers were able to finish harvesting corn, soybean fields. Activities: Included plowing, spreading fertilizer, processing tobacco, hauling manure, hauling grain, repairing machinery, fixing fence, care of livestock, building repairs, bookwork. Only a few scattered corn, soybean fields remain to be harvested.

IOWA: Temperatures 1 to 4° above normal. Extremes 25°; 65°. Precipitation 0.33 to 2.63 in.; average 0.98 in.

Days suitable for fieldwork 1.9. Topsoil 7% short, 61% adequate, 32% surplus. Subsoil 26% short, 69% adequate, 5% surplus. Fall row crop tilling 32% complete, 43% 1990, 46% avg. Fall fertilizer application 24% complete, 36% 1990, 37% avg. Stubble field utilization 8% none, 59% limited, 29% moderate, 4% extensive. Grain

storage availability 7% short, 75% adequate, 18% surplus. Cool, wet weather, muddy feedlots causing stress for livestock.

KANSAS: Temperatures normal throughout State. Precipitation light to moderate; 0.20 to 0.60 in. most areas.

Days suitable for fieldwork 1.5. Topsoil 36% short, 59% adequate, 5% surplus. Subsoil 90% short, 10% adequate. Wet weather, muddy fields kept farmers out of fields, harvest progress to a minimum. Only few fields sorghum remain for harvest, south central, southeast counties. Wheat seeding at a virtual standstill for three weeks. Adequate moisture available to germinate seed. Emergence slow, behind schedule; little wheat pasture available. Ranges, pastures short. Producers have been feeding since September; some hauling water. Feed grain supplies general adequate; forage supplies short to adequate, mostly short.

KENTUCKY: Near normal temperatures, highs upper 50s, lows around 40°. Precipitation near normal, west 0.40 in., central 0.10 in., east 0.20 in.

Soil moisture continues short to adequate. Early week showers provided moisture needed to bring tobacco back into case. Burley about half stripped. Warehouse floors nearly full prior to Market's opening 25th. Moisture benefitted winter wheat seedlings. Corn harvest virtually complete. Soybean harvest nearing completion. Cattle gleaning fields, many receiving some hay.

LOUISIANA: Temperatures 0.4 to 4.8° below normal. Extremes 21°; 82°. Rainfall 0.01 in. statewide.

Days suitable for fieldwork 6.0. Soil moisture 2% very short, 12% short, 77% adequate, 9% surplus. Hay 100% final cutting, 100% 1990, 100% avg. Pecans 5% very poor, 43% poor, 29% fair, 23% good; 46% harvested, 50% 1990, 50% avg. Soybeans 100% shedding leaves, 100% 1990, 100% avg. Sugarcane 7% poor, 50% fair, 43% good; 56% harvested, 34% 1990, 51% avg. Damage from recent freezes ranged from light to moderate. Sweet potatoes 96% harvested, 92% 1990, 95% avg. Wheat 70% planted, 66% 1990, 66% avg.; 56% emerged, 50% 1990, 48% avg. Vegetables 15% very poor, 20% poor, 50% fair, 15% good. Pastures 12% very poor, 8% poor, 11% fair, 23% good, 46% excellent. Livestock 36% fair, 62% good, 2% excellent. Crawfish pond management continued. Harvesting just getting underway.

MARYLAND & DELAWARE: MARYLAND: Precipitation 0.47 in. Temperature 43.3°, normal 47.1°. Extremes 7°; 77°.

Days suitable for fieldwork 5.5. Topsoil 17% very short, 55% short, 28% adequate. Subsoil 28% very short, 50% short, 22% adequate. Field corn remaining was poor to fair condition; soybeans in fair to mostly good condition; small grains were in fair to mostly good condition. Soybeans 86% harvested, 86% 1990, 73% avg. Wheat 94% seeded, 96% 1990, 91% avg. Hay supplies mostly short to adequate. Pastures in poor to fair condition. Activities: Active soybean harvest; small grain seeding winding down; stripping tobacco; marketing, caring for livestock.

DELAWARE: Precipitation 0.57 in. Temperature 44.4°, normal 48.4°. Extremes 31°; 71°.

Days suitable for fieldwork 6.6. Topsoil 17% short, 83% adequate. Subsoil 17% short, 83% adequate. Soybeans fair to good. Sorghum, small grains good condition. Soybeans 86% harvested, 95% 1990, 73% avg. Sorghum harvest virtually complete. Wheat seeding virtually complete, 94%

1990, 85% avg. Rye 96% seeded, 97% 1990, 89% avg. Oats seeding virtually complete. Hay supplies adequate. Pasture fair to mostly good condition. Activities: Harvesting soybeans; planting small grains; marketing, caring for livestock.

MICHIGAN: Temperatures 1° below to 2° above normal. Extremes 19°; 62°. Precipitation none to 1.40 in. across State.

Soybeans 100% harvested, 99% 1990, 90% avg. Winter wheat 100% emerged, 95% 1990, 90% avg. Corn harvest virtually complete. Snow fell early in northern part of State. Livestock in good shape, adequate feed supplies. Activities: Pruning orchards; cutting wood; field preparation for fall, spreading fertilizer; repairing, storing equipment; deer hunting.

MINNESOTA: Temperatures 1° below normal to 5° above normal. Extremes 3°; 62°. Precipitation 0.33 in. above normal for the south central, southeast, near normal to 0.23 in. below normal elsewhere. Precipitation 0.01 to 0.69 in. for State. Greatest weekly total 1.01 in. at Rochester. Snowfall a trace to 2 in. Snow depth at weekend zero to 6 in. for State. Drier, warmer weather has allowed farmers to get back into the fields, harvest corn. An estimated 3% of the crop remains unharvested.

MISSISSIPPI: Weather data not available.

Days suitable for fieldwork 6.0, 5.4 1990, 3.7 avg. Soil moisture 8% very short, 42% short, 42% adequate, 5% surplus, 3% excessive. Cotton 96% harvest, 98% 1990, 96% avg.; 11% fair, 50% good, 39% excellent. Soybeans 84% harvest, 88% 1990, 83% avg.; 1% poor, 41% fair, 46% good, 12% excellent. Wheat planted 74%, 71% 1990, 71% avg.; 58% emerged, 48% 1990, 57% avg.; 10% poor, 44% fair, 43% good, 3% excellent. Pecans 51% harvested, 23% 1990, 38% avg.; 1% very poor, 40% poor, 27% fair, 27% good, 5% excellent. Livestock 1% poor, 18% fair, 66% good, 15% excellent. Pasture 79% of normal. Activities: Harvesting crops, preparation for spring, feeding livestock.

MISSOURI: Temperatures normal to 3° above normal except southeast up to 7° below normal. Precipitation 1.37 in., ranging from 0.75 in. or less northwestern, east central, southeastern districts to 2.63 in. southwest.

Days suitable for fieldwork 2.3. Topsoil moisture 18% short, 71% adequate, 11% surplus. Corn harvested 92%, 94% 1990, 91% avg. Corn harvest nearly complete in southern two thirds, 5 to 6% still unharvested northern third. Sorghum harvested 94%, 94% 1990, 96% avg. Sorghum harvest completion varies from 89% or less northeast, east central, southwest, to nearing completion most other areas. Soybean harvest ranges from 86% complete or less southeast, southwest, to 95% north central, northeast, west central. Wheat seeding 93%, 94% 1990, 90% avg., many reporters assuming seeding completed, as very little progress past 2 weeks due to wet, cold weather. Pasture 17% very poor, 26% poor, 46% fair, 11% good.

MONTANA: Temperatures 2 to 3° above normal west, south, 8 to 10° above rest of State. Precipitation mainly in mountains.

Snow cover gone. Grazing open. Most livestock moved from summer pastures.

NEBRASKA: Temperatures 4° above normal. Scattered precipitation 0.10 in. Panhandle to 0.75 in. southwest, northeast.

Days suitable for fieldwork 2.1. Topsoil 38% short, 58% adequate, 4% surplus. Subsoil 81% short, 19% adequate. Wheat 4% very poor, 9% poor, 56% fair, 31% good. Cattle gleaning stalk fields.

NEVADA: Early-week temperatures 10 to 15° above normal until a strong cold front on 14th lowered temperatures to 10 to 20° below normal, brought snowfall to most parts of the State. Extremes 11°; 75°. Precipitation trace to 0.76 in.

Preparations for winter continue. Major activities include general maintenance, caring for livestock. Poor range conditions will result in supplemental feeding earlier than normal.

NEW ENGLAND: Precipitation 0.55 to 2.85 in. Temperatures high 20s to low 30s northern Maine, low to upper 30s elsewhere north, mid 30s to mid 40s south. Maximum temperatures upper 30s north to low 60s south; minimum temperatures 10° north to low 30s south.

Activities: Tending livestock, cutting firewood, making general repairs.

NEW JERSEY: Temperatures slightly below normal, 41° north, 44° south, 46° coastal. Extremes 18°; 68°. Precipitation below normal north, south, coastal; averaged 0.09 in. north, 0.10 in. south, 0.06 in. coastal. Heaviest 24 hour total 0.12 in. on 12th, 13th at Atlantic City Marina.

Planting remains active for cover crops. Soybean harvest nearing completion. Harvest of corn complete. Cured sweet potatoes now moving to market. Cranberry harvest in final stages.

NEW MEXICO: Heavy precipitation was recorded as upper level storm centers lingered west and southwest of the state. Many stations had 4 to 5 days with measurable rain or snow. Snow depths increased significantly over most northern and central mountains. Temperatures were not unusually cold, averaged 1 to 2° below normal in most areas because of cloudiness, precipitation. South central locations remained 1 to 3° above normal.

Days suitable for fieldwork 4.9. Soil moisture 26% short, 70% adequate, 4% surplus. Crop conditions: Alfalfa 50% fair, 40% good, 10% excellent. Corn 9% fair, 91% good. Irrigated sorghum 22% fair, 67% good, 11% excellent. Dryland sorghum 20% fair, 80% good. Irrigated wheat 29% fair, 71% good. Dryland wheat 44% fair, 56% good. Lettuce 50% fair, 50% good. Chile 17% poor, 17% fair, 66% good. Pecans 20% poor, 40% fair, 40% good. Cattle, sheep fair to good. Range 88% of normal.

NEW YORK: Temperatures slightly below normal. First half of week was coolest with lows in the teens to low 30s. Highs reached the upper 40s to mid 50s during the second half of the week. Precipitation was above normal in many locations as amounts of 1.50 to 2.25 in. were common. The bulk of the precipitation fell as snow on the 11th. Snow in eastern regions 1.00 to 5.00 in.

Activities: Fall plowing, planting combining grain corn, caring for livestock, machinery maintenance, cutting firewood. Hunting season underway. Fruit growers continued orchard cleanup activities.

NORTH CAROLINA: Temperatures 1 to 5° below normal. Precipitation 0.10 to 2.04 in.

Days suitable for fieldwork 5.2. Soil moisture 4% very short, 37% short, 59% adequate. Crop condition: Wheat 2% very poor, 11% poor, 30% fair, 57% good; oats 2% very poor, 13% poor, 28%

fair, 57% good; barley 3% very poor, 16% poor, 31% fair, 50% good; rye 2% very poor, 9% poor, 26% fair, 63% good; Pasture 2% very poor, 10% poor, 46% fair, 40% good, 2% excellent. Sorghum for grain harvested 89%, 87% 1990, 85% avg; cotton harvested 84%, 88% 1990, 78% avg; soybeans harvested 53%, 56% 1990, 46% avg; wheat emerged 47%, 42% 1990, 49% avg. Wheat planted 67%, 63% 1990, 65% avg; oats planted 83%, 80% 1990, 81% avg; barley planted 93%, 85% 1990, 85% avg; rye planted 84%, 73% 1990, 75% avg. Livestock feed from pastures 54%. Hay and roughage supplies 98% adequate, 2% surplus. Feed grain supplies 2% short, 96% adequate, 2% surplus. Major activities included: harvesting cotton, corn, sorghum, sweetpotatoes and soybeans; and planting small grains. Other activities included: land preparation; seeding pastures; shearing Christmas trees; tending livestock; cutting Christmas trees; equipment repair; and general farm maintenance.

NORTH DAKOTA: Temperatures 2° below normal to 3° above normal. Extremes -5° northeast; 57° west, southeast. Precipitation 0.01 in. north central to 0.09 southeast.

Soil moisture mostly short to adequate. Some late sunflowers being harvested. Livestock in mostly good condition. Feed supplies adequate. Pastures open, supplemental feed being given.

OHIO: High temperatures for most of the week averaged in the mid 40s to mid 50s. Temperatures were much milder than the previous week. Weather systems continued to move across State at regular intervals. Disturbances created precipitation 11th and 12th while a front produced wet weather 14th and 15th. Precipitation generally under 0.50 in. Some areas in the northeast, north central, south received between 0.50 to 1.00 in. of rainfall. Most areas received below normal precipitation.

Days suitable for fieldwork 5.5. Soil moisture 60% short, 35% adequate, 5% surplus. Pastures 15% very poor, 30% poor, 35% fair, 18% good, 2% excellent. Winter wheat emerged 94% complete, 75% in 1990, 84% avg. Activities: Winterizing, repairing machinery, working with livestock.

OKLAHOMA: Temperatures normal Panhandle to 6° above normal southwest. Precipitation 0.72 in. Panhandle to 2.09 in. north central.

Days suitable for fieldwork 3.6. Topsoil 69% adequate, 31% surplus. Subsoil 23% short, 77% adequate. Wheat 96% planted, 99% 1990, 97% avg.; 81% emerged, 94% 1990, 87% avg.; 10% grazed, 9% 1990, 26% avg. Wheat fair. Cotton 33% harvested, 58% 1990, 33% avg.; fair. Sorghum 89% harvested, 90% 1990, 72% avg. Soybeans 82% harvested, 82% 1990, 60% avg. Peanuts 82% harvested, 97% 1990, 81% avg. Pasture 89%. Cattle good condition; marketings average; prices mixed.

OREGON: Temperatures above normal statewide. Willamette Valley 4 to 5° above normal, north central 3 to 5° above normal, coast, eastern areas 1 to 3° above normal. Precipitation near 1.00 in.; coastal areas, Willamette Valley. Eastern Oregon precipitation 0.50 in. at Heppner, Enterprise, LaGrande; lesser amounts elsewhere.

Soil moisture short to adequate east, adequate west. 1992 winter wheat planted, 91%. 1992 winter wheat emerged, 78%. Winter wheat condition, 7% very poor, 15% poor, 38% fair, 40% good. Rain slowing field work, some fertilizer, herbicide applications. Spotty emergence of

winter wheat causing overseeding, Gilliam Co. Cranberry harvest finished. Orchard cleanup continued. Wine grape harvest complete. Hazelnut, fall cole crop concluding, Willamette Valley. Potato harvest nearing completion, some digging in Klamath, Umatilla Counties. Livestock mostly good. Fall activities continued, statewide. Supplementary feeding underway, pastures going dormant. Range, pasture, fair to good east, good west.

PENNSYLVANIA: Cool across the State. Temperature 41°, 3° below normal. Extremes 15°; 69°. Precipitation 0.71 in., 0.02 in. below normal.

Corn 86% harvested, 58% 1990, 67% avg. Soybean harvest 84% complete, 77% 1990, 72% avg. Fourth cutting alfalfa 92% complete, 87% 1990. Activities: Repairing fence; hauling manure; harvesting corn, soybeans; maintaining machinery; caring for livestock.

PUERTO RICO: Island rainfall 0.57 in. was 0.85 in. below normal. Highest rainfall was 2.80 in. at Pico Del Este Luquillo, 1.57 in. at San Sebastian, 0.95 in. at Borinquen airport. Highest 24 hour total 1.14 in. San Sebastian. Divisional temperatures 79 to 80° on coasts, 71 to 75° in the interior with mean station temperatures 64.3° at Pico del Este Luquillo to 80° at San Sebastian. Extremes 53°; 92°.

SOUTH CAROLINA: Temperatures near normal. Rainfall 0.40 in. mountains to 2.70 in. central.

Days suitable for fieldwork 5.6. Soil moisture 5% very short, 68% short, 27% adequate. Cotton 17% fair, 76% good, 7% excellent; 85% harvested, 93% 1990, 85% avg. Sorghum fair to good; 84% harvested, 86% 1990, 78% avg. Soybeans 55% poor, 45% fair; 96% shedding leaves, 92% 1990, 95% avg; 93% mature, 89% 1990, 93% avg.; 51% harvested, 45% 1990, 44% avg. Sweetpotatoes fair to good; 88% harvested, 87% 1990, 84% avg. Winter grazing fair to good; 83% planted, 89% 1990, 90% avg.; 71% emerged, 81% 1990, 80% avg. Pastures 20% poor, 50% fair, 30% good.

SOUTH DAKOTA: Temperatures 1° below normal in the east to 7° above normal in the west. Extremes 10°; 73°. Mild temperatures melted most of snow cover. Precipitation variable, light. Eastern portion of the State received up to 0.65 in. Little or no precipitation reported in west.

Little field work done as harvest completed. Rain and melted snow have improved winter wheat, rye conditions. Farmers remain busy weaning, selling calves, culling the herds.

TENNESSEE: Fair weather prevailed. Temperatures 5 to 10° above normal. No precipitation recorded most stations, scattered light rain east.

Days suitable for fieldwork 6.0. Soil moisture 18% very short, 48% short, 34% adequate. Cotton 94% harvested, 89% 1990, 93% avg. Soybeans 84% harvested, 80% 1990, 84% avg. Burley tobacco 62% stripped, 68% 1990, 68% avg. Wheat 84% seeded, 80% 1990, 84% avg. Pastures 8% very poor, 9% poor, 58% fair, 24% good, 1% excellent. Cattle 1% very poor, 3% poor, 19% fair, 75% good, 1% excellent.

TEXAS: Pacific moisture streamed across West Texas early in week, helping set off showers in western half of State. Strong winter storm during end of week, enhanced flow off Gulf of Mexico, providing significant moisture for strong storms over State. Strongest storms focused along cold front which moved through State, Friday

through weekend. Front almost stationary across Upper Coast over weekend, producing heavy rains, some flooding. Rainfall above normal almost statewide, except Lower Valley, north central Texas. High Plains, Upper Coast both averaged over inch for week, Lower Valley no rainfall. Temperatures below normal West Texas, near to above normal over eastern part of State, reflecting earlier arrival of cold air in west.

Crops: Sorghum harvest on Plains delayed by cool, wet conditions. Yields good. Wet weather halted cotton harvest throughout most of Plains. Warm, dry conditions should intensify harvest activities over next few days. Lint stringing out from some open bolls on Plains. Small grains continued good progress. Most fields welcomed moisture. Some dryland fields emerged with recent moisture; however, some fields in East Texas received excess moisture. Warm conditions needed to continue plant growth. Statewide wheat 73% of normal compared with 79% 1990. Soybean harvest winding down throughout State. Most activity delayed by rain. Peanut harvest interrupted by wet conditions. Cross Timber, few fields dried enough to be dug, combined before rain came. Statewide peanut 79% of normal.

Commercial Vegetables: High Plains, cabbage, pumpkin yields average. East Texas, winter greens affected by freeze responding well. Rio Grande Valley, onions being planted, cabbage progressing well. Rainfall slowed pecan harvest across State. Many trees sustained damage from freeze past weeks. Yields, qualities below average in Blacklands, Upper Coast.

Range and Livestock: Ranges, pastures good condition; however, freezing temperatures ended most summer forage growth. Winter grasses, small grains have benefitted from recent moisture. Livestock movement to wheat fields; producers continued hay, supplemental protein feeding.

UTAH: Temperature maximums 3° above normal, minimums 6° above normal. Precipitation was moderate in all regions, except Dixie, Uinta Basin, where it was light.

Generally moist weather for fall farming activities. Fall seeded wheat mostly good. Winter range feed mostly fair to good. Cattle, sheep are in mostly good condition with a few exceptions in fair condition. Activities: Some fall grain planting, moving cattle, grain corn harvest, fall tillage.

VIRGINIA: Temperatures 3 to 6° below normal. Extremes 16°; 77°. Precipitation widespread, 0.21 to 2.02 in.

Days suitable for fieldwork 4.3. Topsoil 2% very short, 53% short, 39% adequate, 6% surplus. Corn for grain 97% harvested, 94% 1990, 92% avg. Soybeans 65% harvested, 75% 1990, 57% avg. Cotton 75% harvested. Wheat 75% seeded, 83%

1990, 74% avg. Winter grains, grazing crops condition 22% very poor, 20% poor, 43% fair, 13% good, 2% excellent. Pasture 22% very poor, 30% poor, 42% fair, 6% good. Forage from pastures, winter grazing crops dairy cattle 17%, beef cattle 53%, sheep 55%. Livestock 8% poor, 51% fair, 41% good.

WASHINGTON: Temperatures normal to 3° above normal, west; 2° below normal to 5° above normal, east. Precipitation 0.79 to 1.85 in. west; 0.03 to 0.74 in. east.

Days suitable for fieldwork, 3.8. Soil moisture 37% short, 63% adequate. Hay, other roughage 11% short, 81% adequate, 8% surplus. Range, pasture 10% very poor, 33% poor, 34% fair, 23% good. Winter wheat, 20% poor 24% fair, 56% good. Potatoes 100% good. Corn 100% good. Winter wheat 95% planted, 90% emerged. Potatoes 95% harvested. Corn for grain 52% harvested. Precipitation across the State. Soft rain on the dryland area of eastern area that improved the soil moisture situation without causing erosion. Winter wheat planting was virtually finished; estimate 90 to 95% of what farmers originally intended to plant. Warmer weather, moisture was great for fall seeded crops. Apple harvest was complete in Grant County. Some arrests were made in some cattle butchering, deer poaching in the south central part of the State.

WEST VIRGINIA: Temperature 43°. Extremes 22°; 73°. Precipitation 0.19 in.

Days suitable for fieldwork 4.8. Soil moisture 14% very short, 73% short, 13% adequate. Corn, 52% fair, 48% good; 93% harvested. Hay, 33% poor, 42% fair, 25% good; 98% third cutting. Wheat, 88% sown. Pastures, 61% very poor, 13% poor, 26% fair; 47% of normal. Cattle, good. Sheep, good. Activities: General maintenance, fencing, cutting hay, harvesting corn, chopping silage, planting wheat, marketing livestock.

WISCONSIN: Temperature 35°, 3° above normal. Extremes 13°; 58°. Precipitation 0.60 to 1.40 in. Above normal temperatures caused snow accumulations to melt and some of the frost to come out of the ground.

Days suitable for fieldwork 2.6. Soil moisture 1% short, 41% adequate, 58% surplus. Corn for grain 91% harvested, 75% 1990, 88% avg. Soybeans 98% harvested, 98% 1990, 96% avg. Most of the soybeans left in the field will be abandoned. Fall tillage 55% complete, 58% 1990, 63% avg.

WYOMING: Temperatures above normal statewide. Precipitation below normal northeast, above normal elsewhere.

1992 winter wheat fair to good, some freeze, wind damage reported, additional moisture needed. Livestock mostly good, some winter stress reported to younger stock. Movement to markets, supplemental feeding continuing.

International Weather and Crop Summary

HIGHLIGHTS

November 10 - 16, 1991

WESTERN USSR ... Winter grains remain dormant in the north and were easing into dormancy in the south.

EUROPE ... Stormy weather prevails in most areas, slowing sugarbeet harvesting, while winter grains enter dormancy in the north.

EASTERN ASIA ... Dry conditions stress germinating winter wheat but aid southern late rice harvesting.

SOUTHEAST ASIA ... Variable showers cover Indonesia and Malaysia. Tropical Storm Wilda brings locally heavy rain to recently flooded Philippine grain areas.

SOUTH ASIA ... Another cyclone hits India's southeastern coast, flooding local rice areas.

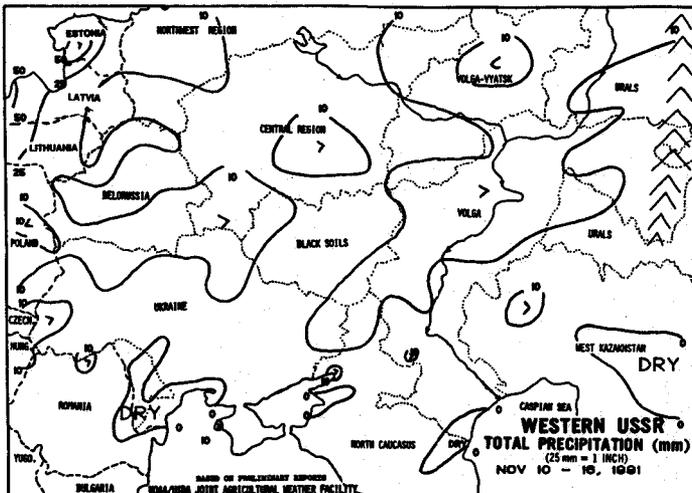
SOUTH AMERICA ... Adequate moisture exists in Argentina, but drier weather is needed for fieldwork. Beneficial showers favor summer crop development across southern Brazil.

AUSTRALIA ... Rains benefit eastern summer crops but delay winter wheat harvesting.

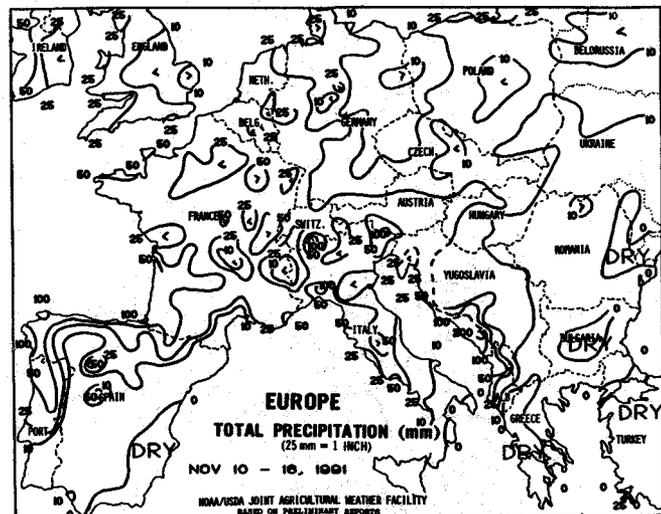
MEXICO ... Tropical moisture aids western reservoir levels. Drier weather favors late corn harvest in the east.

NORTHWESTERN AFRICA ... Persistent dryness likely slows early-season winter grain planting in Morocco and western Algeria.

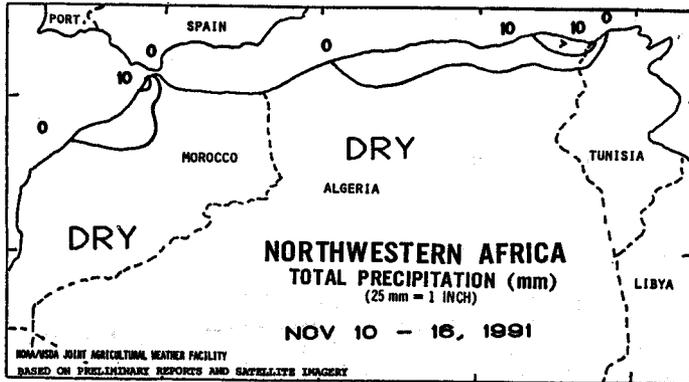
SOUTH AFRICA ... Scattered showers maintain generally favorable conditions for emerging corn.



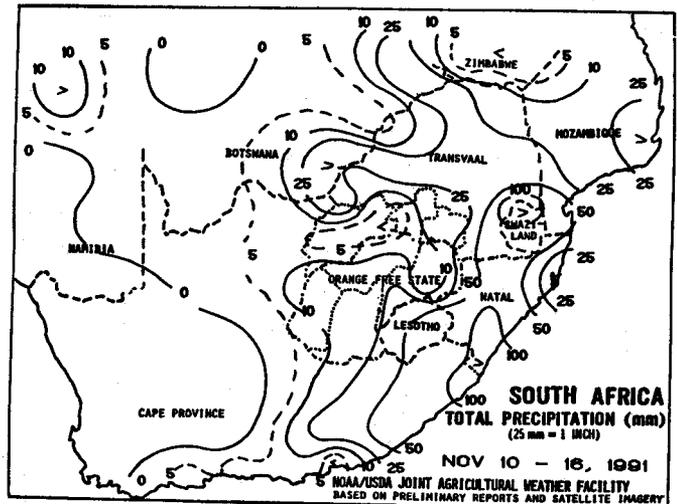
WESTERN USSR ... Widespread, light precipitation (1-10mm) covered Ukraine, northern North Caucasus, most of the Black Soils and Central Regions, and lower Volga, improving moisture conditions for winter grains following unfavorable dryness. The unfavorably dry weather in these areas limited plant establishment, making crops more susceptible to potential winterkill conditions. Elsewhere, precipitation amounts ranged from 10 to 22mm, providing beneficial topsoil moisture. Although weekly average temperatures were 1-5 degrees Celsius (C) above normal over the region, temperatures were low enough to prevent further vegetative growth as far south as the Black Sea Coast. Winter grains remained dormant in the north and were easing into dormancy in the south.



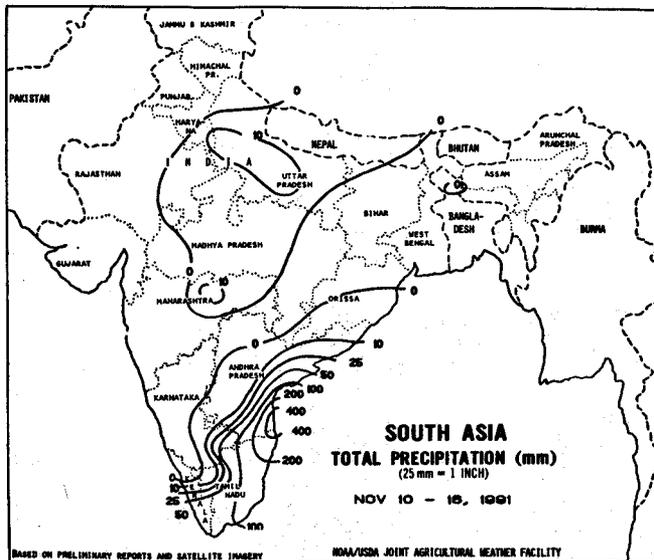
EUROPE ... Stormy weather covered most of the region, with only southeastern Spain, Greece, and eastern portions of Bulgaria and Romania missing rain. Locally heavy showers (50-132mm) fell from northern Portugal and southwestern France, across scattered portions of Italy, to western Yugoslavia, providing ample moisture for winter crops in the Mediterranean region but hampering late autumn fieldwork. Widespread precipitation (10-50mm) across northern and central Europe slowed sugarbeet harvesting but provided additional moisture for winter grains. Precipitation diminished further east, with weekly rainfall totals averaging less than 10mm in eastern Germany and northeastern Czechoslovakia, where soil moisture is marginal, and from southeastern Hungary to Bulgaria, where soil moisture is favorable for winter crops. Weekly temperatures ranged from 1 to 2 degrees C above average in the United Kingdom and from 2 to 3 degrees C above average in Poland, with winter grains entering dormancy across northern Europe.



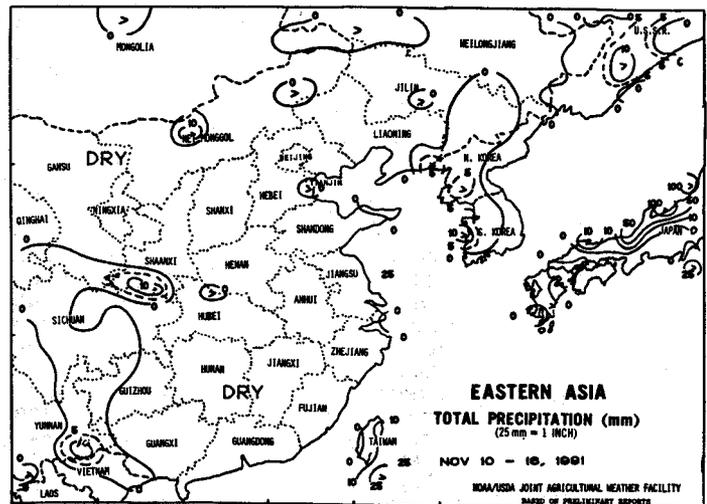
NORTHWESTERN AFRICA ... The fourth consecutive week of dry weather covered winter grain areas in northwestern Algeria and Morocco, although 1-11mm amounts brushed the northwestern tip of Morocco. Significant rain is needed in these areas before planting becomes widespread. Further east, early season planting progressed under mostly favorable weather in eastern Algeria and Tunisia, where adequate topsoil moisture favored emergence. Mostly light showers (1-9mm) fell along the northern coast of Algeria, with 10-16mm moistening topsoils in the extreme northeast. Dry weather prevailed in Tunisia.



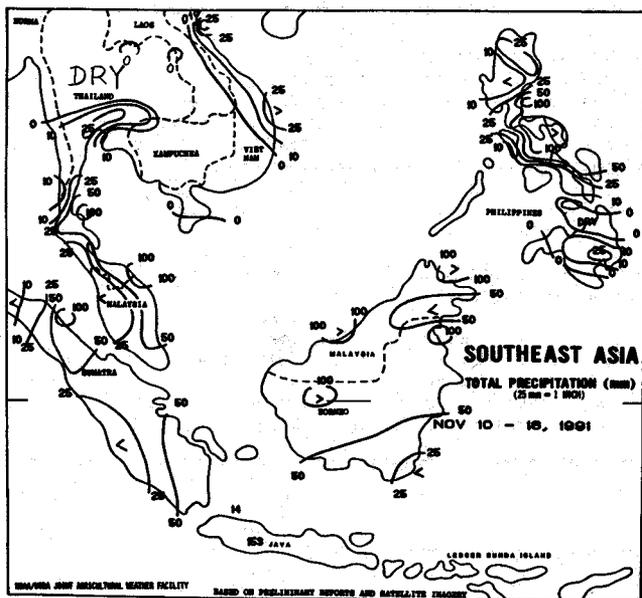
SOUTH AFRICA ... Scattered showers (15-50mm or more) in South Africa's eastern corn areas improved soil conditions for germination and establishment following about 2 months of drier-than-normal weather. Light rain (2-23mm) accompanied seasonably warm weather in corn regions of the southwestern Transvaal and Orange Free State, favoring planting. However, it was the third consecutive week of drier-than-normal weather in this region, and more rain will be needed soon for emergence and establishment. In contrast, moderate to heavy rain (50-160mm) covered most crop regions of the eastern Cape Province and Natal.



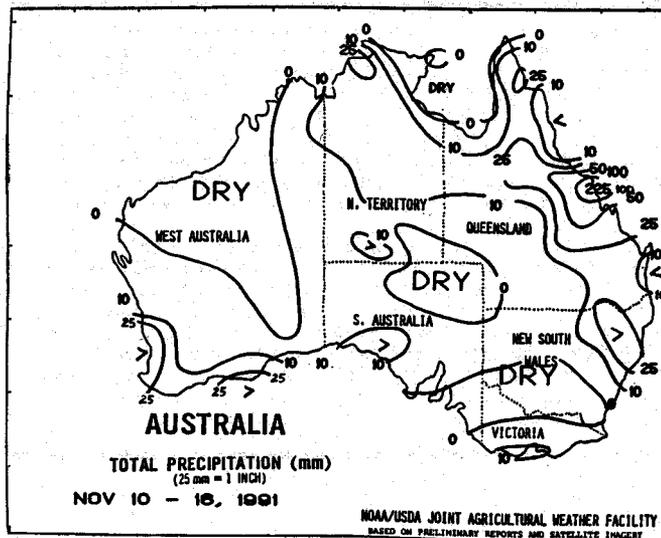
SOUTH ASIA ... A tropical cyclone brought heavy rain (50-100mm or more, with local amounts exceeding 300mm) to India's southern tip, causing additional flooding in coastal rice areas of Tamil Nadu and Andhra Pradesh. It was the second storm to hit the region in 3 weeks. Further inland, scattered light to moderate rain (3-19mm) benefited newly planted grains and oilseeds from the southern interior to winter wheat regions of Uttar Pradesh. Primary rice areas in the east were seasonably dry, benefiting summer harvests as well as field preparations for dry season plantings.



EASTERN ASIA ... Dry conditions returned across the North China Plain, stressing germinating winter wheat and delaying wheat planting. Continued dry conditions will lead to poor germination and establishment. Light rains (3-11mm) spread across the far western and southwestern provinces of Shaanxi, Sichuan, and Guizhou, aiding winter wheat germination. Across southern China, favorably dry weather aided late rice harvesting, while rain is needed for depleted reservoirs.

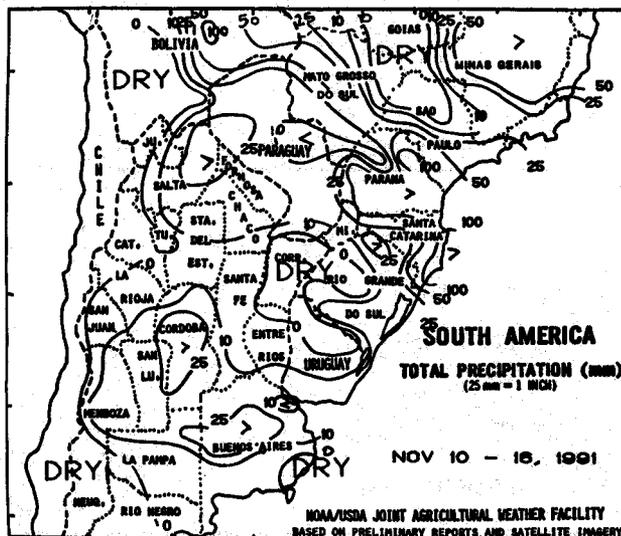


SOUTHEAST ASIA ... Highly variable rainfall covered Malaysia and Indonesia. However, rainfall totals were less than the previous week in many crop areas of the west and south. Most locations in western Malaysia's palm region received less than 15mm, while moderate to heavy showers (50-129mm) continued in crop areas of Sarawak. Variable rainfall (7 to 152mm) in Java's rice regions benefited irrigation reserves. In the Philippines, moderate to heavy showers (50-202mm) from Tropical Storm Wilda fell from central Luzon to the eastern Visayan islands, possibly causing more flooding in areas hit hard by Thelma. At week's end, Wilda was rolling through grain regions of central Luzon. Rainfall elsewhere in the Philippines was unfavorably light (25mm or less) for establishment of newly planted grains.



AUSTRALIA ... Timely rain (11-33mm) covered the summer crop areas in northern New South Wales and southern Queensland, favoring soil moisture for summer crops, but delaying winter wheat harvesting. Across the southern and western wheat regions, light rains caused only minor harvesting delays. Moderate to heavy rain (34-97mm), with isolated coastal amounts greater than 200mm, fell across northeastern Queensland, aiding vegetative sugarcane. This is the first significant rain across the area since last February. Dry, warm weather in interior Queensland continued to degrade pasture land conditions. Weekly temperatures averaged 1-3 degrees C below normal in western and southeastern Australia, and 1-3 degrees C above normal in central Queensland.

SOUTH AMERICA ... In Argentina, light to moderate rain (12-41mm) fell across Cordoba and Buenos Aires, aiding soil moisture for summer crops, but delaying winter wheat harvesting. Further to the north, light rains (6-14mm) caused only minor planting delays. Recent cool and wet conditions, while favoring soil moisture, has delayed fieldwork and raised concerns about potential disease problems for winter grains. Southern Brazil received scattered showers (20-60mm) across most crop areas, favoring germinating summer crops. Recent improvements in soil moisture occurred in northern Rio Grande do Sul, Parana, and Minas Gerais. However, western Rio Grande do Sul and central Sao Paulo need moisture for adequate summer crop development. Temperatures for the week averaged 1-3 degrees C below normal across Argentina, and 1-2 degrees C above normal in southern Brazil.



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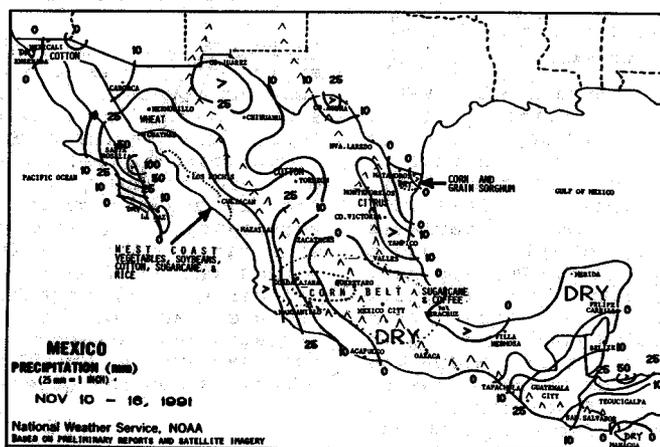
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MEXICO ... Moderate to heavy rains (35-86mm), remnants from Hurricane Nora, swept across the western third of the country, aiding vegetative winter wheat and replenishing reservoir levels, which should be adequate until next year's rainy season. Drier weather across the eastern Southern Plateau corn belt and the southeast aided late maturing corn and harvesting. This is the last weekly summary until next spring.

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