

# WEEKLY WEATHER AND CROP BULLETIN

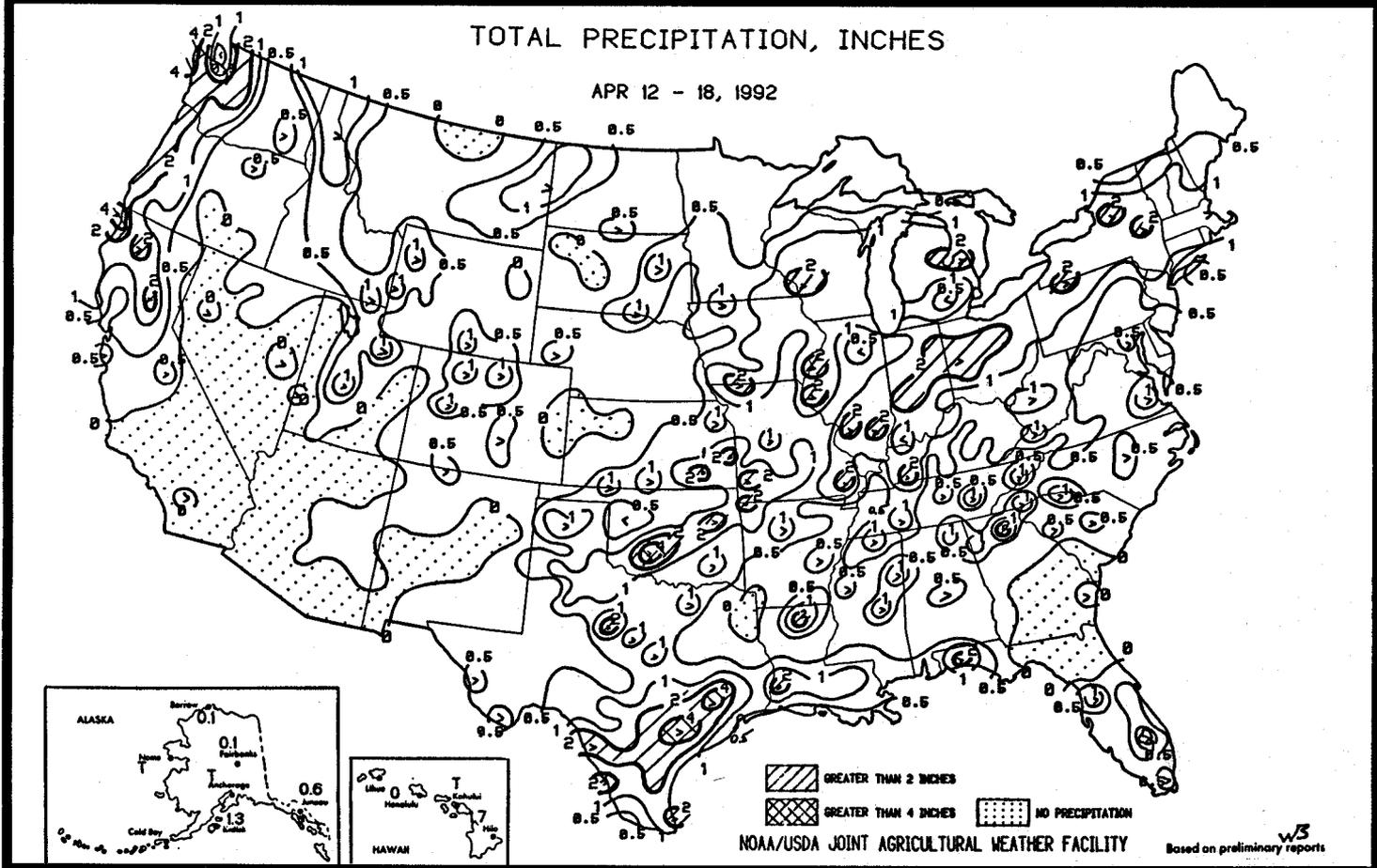
U.S. DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration,  
National Weather Service

U.S. DEPARTMENT OF AGRICULTURE  
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World Agricultural Outlook Board

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## HIGHLIGHTS

April 12 - 18, 1992

Cool weather prevailed north of a stationary frontal boundary that extended from the **central Plains** to the **Middle Atlantic States**. Precipitation was sparse until midweek, when storms converged on the Nation's midsection to produce turbulent weather. Early in the week, cold air swept eastward across the **Northern Tier States**, plunging a dozen locations to daily record lows, including **Devil's Lake, ND** (4°F), and **Marquette, MI** (-1°F). In contrast, daily record highs were set in more than 20 cities from the **Plains** to the **Southeast**. **Pueblo, CO**, and **Montgomery, AL**, reached 88°F. At midweek, disturbances approached the **Plains** from the southwest and the northwest. The latter storm first lashed the **Pacific Northwest** and the **northern Rockies** with heavy rain and high winds. **Brookings, OR**, received more than 3 inches of rain, and 47 mph wind gusts buffeted **Spokane, WA**. From Wednesday evening onward, the other storm ignited daily severe thunderstorms in the **southern Plains**. **Texas** absorbed 15 tornadoes and locally heavy rain. On Friday, more than 5 inches of rain soaked **Victoria, TX**. A day

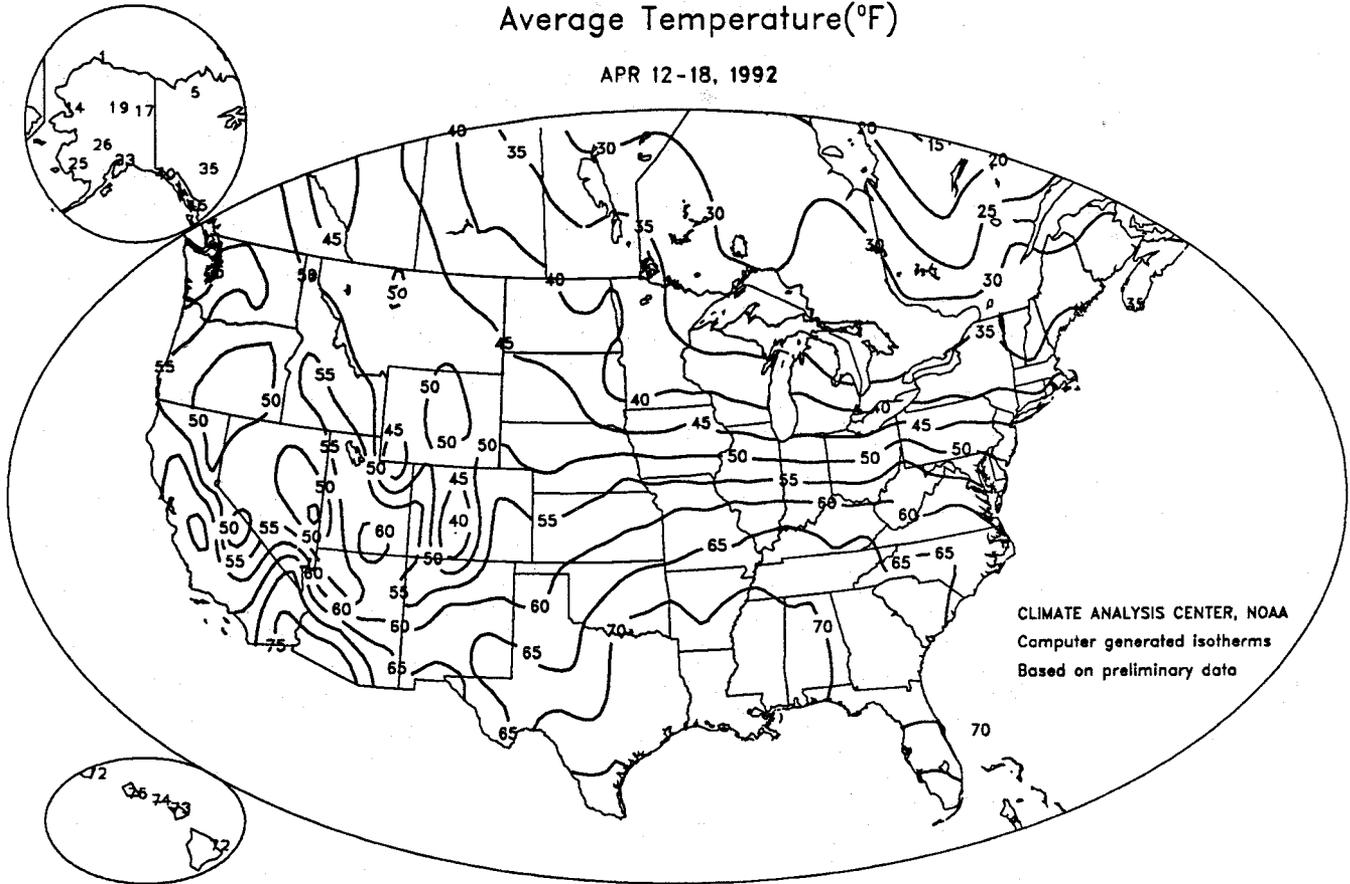
earlier, **Lawton, OK**, received more than 4 inches. Farther east, the stationary front provided the focus for heavy rain and snow. More than 2 inches of rain eased long-term drought in parts of **Indiana** and **Ohio**. Meanwhile, snowfall totaled 7 inches in **Portland, ME**. Toward week's end, colder air swirled into the northern storm's circulation, changing rain to snow from the **central Rockies** to the **northern Plains**. Accumulations reached 8 inches in **Winter Park, CO**, and 13 inches in **Lead, SD**.

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### Average Temperature(°F)

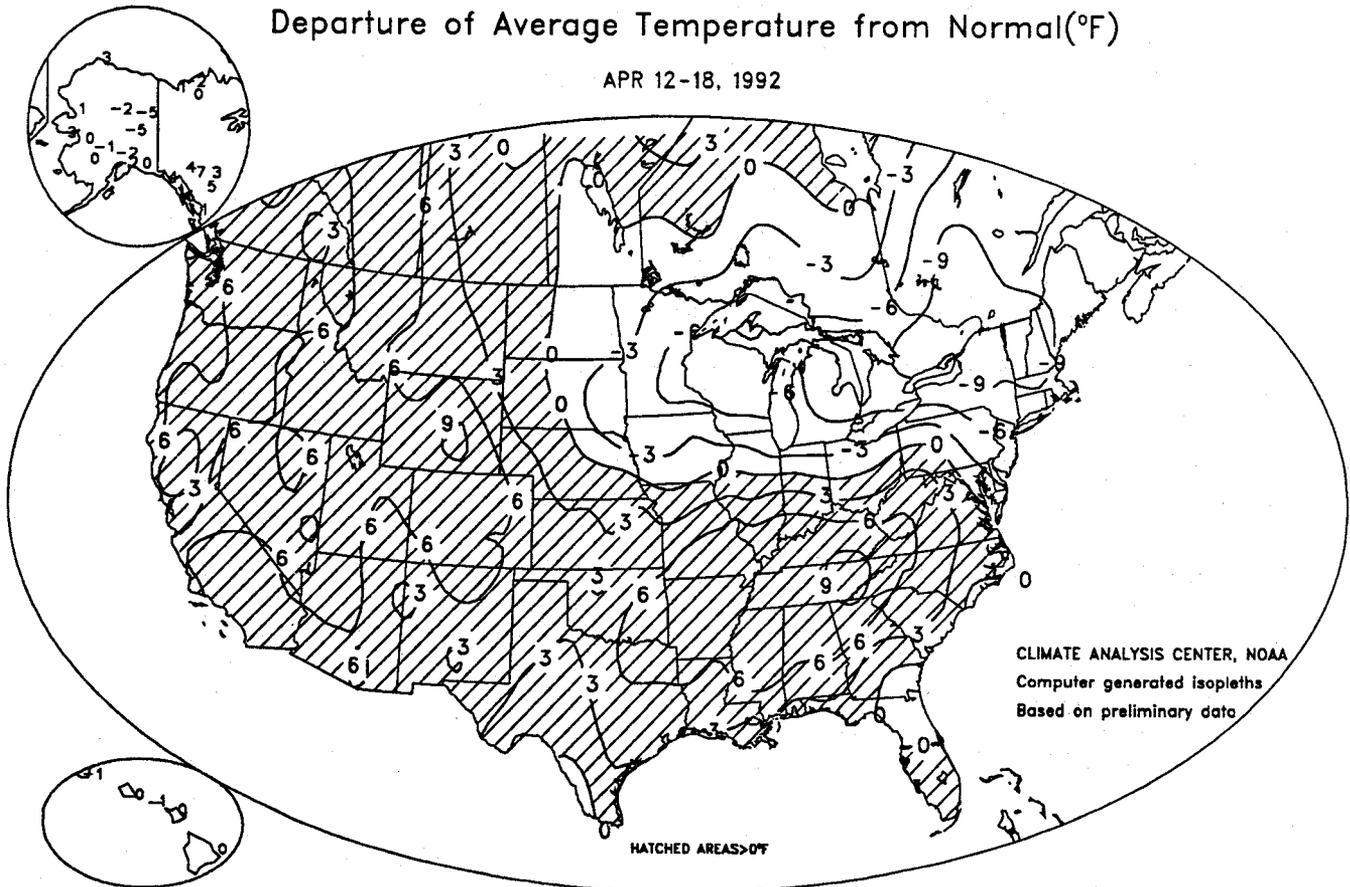
APR 12-18, 1992



CLIMATE ANALYSIS CENTER, NOAA  
Computer generated isotherms  
Based on preliminary data

### Departure of Average Temperature from Normal(°F)

APR 12-18, 1992

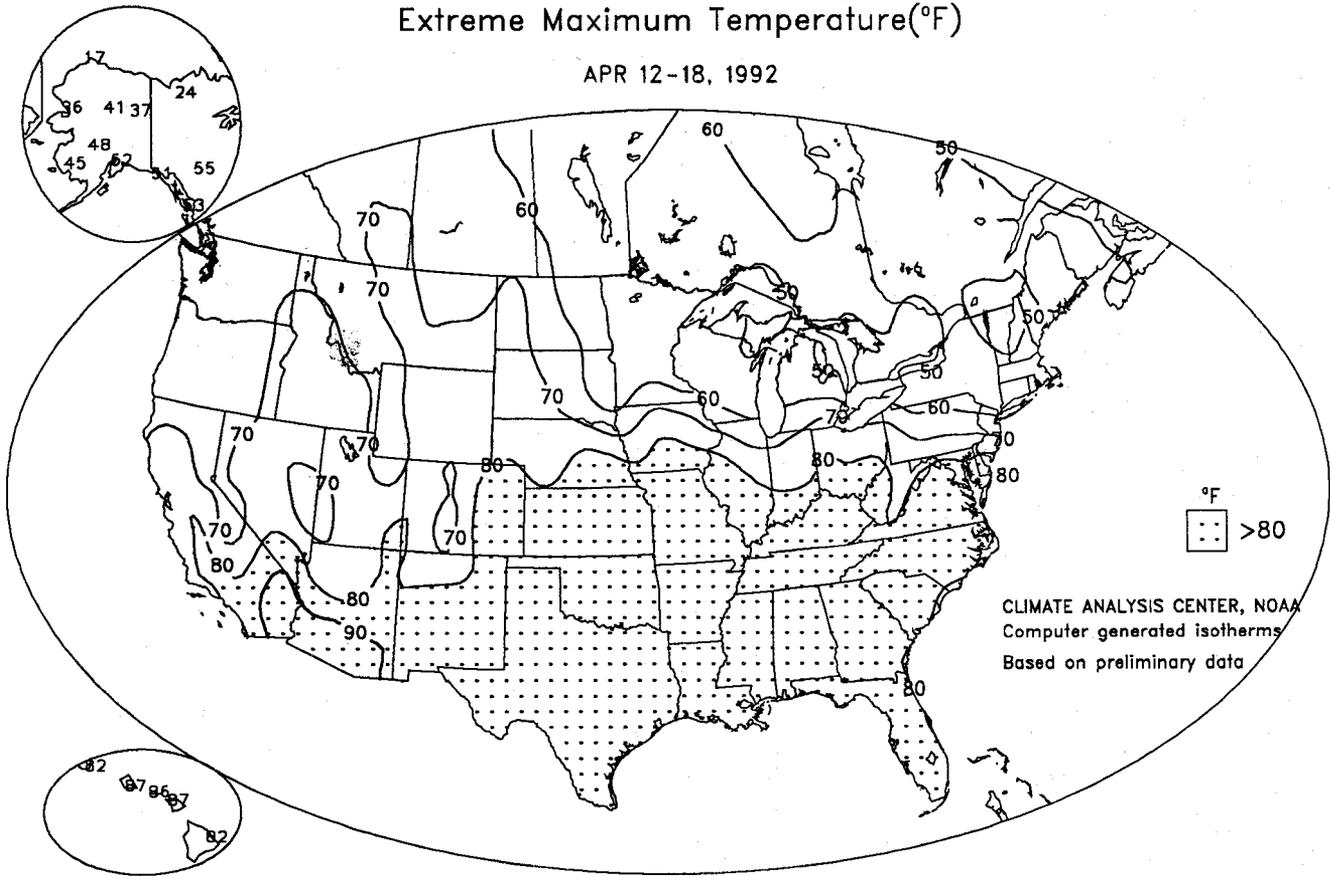


CLIMATE ANALYSIS CENTER, NOAA  
Computer generated isopleths  
Based on preliminary data

HATCHED AREAS > 0°F

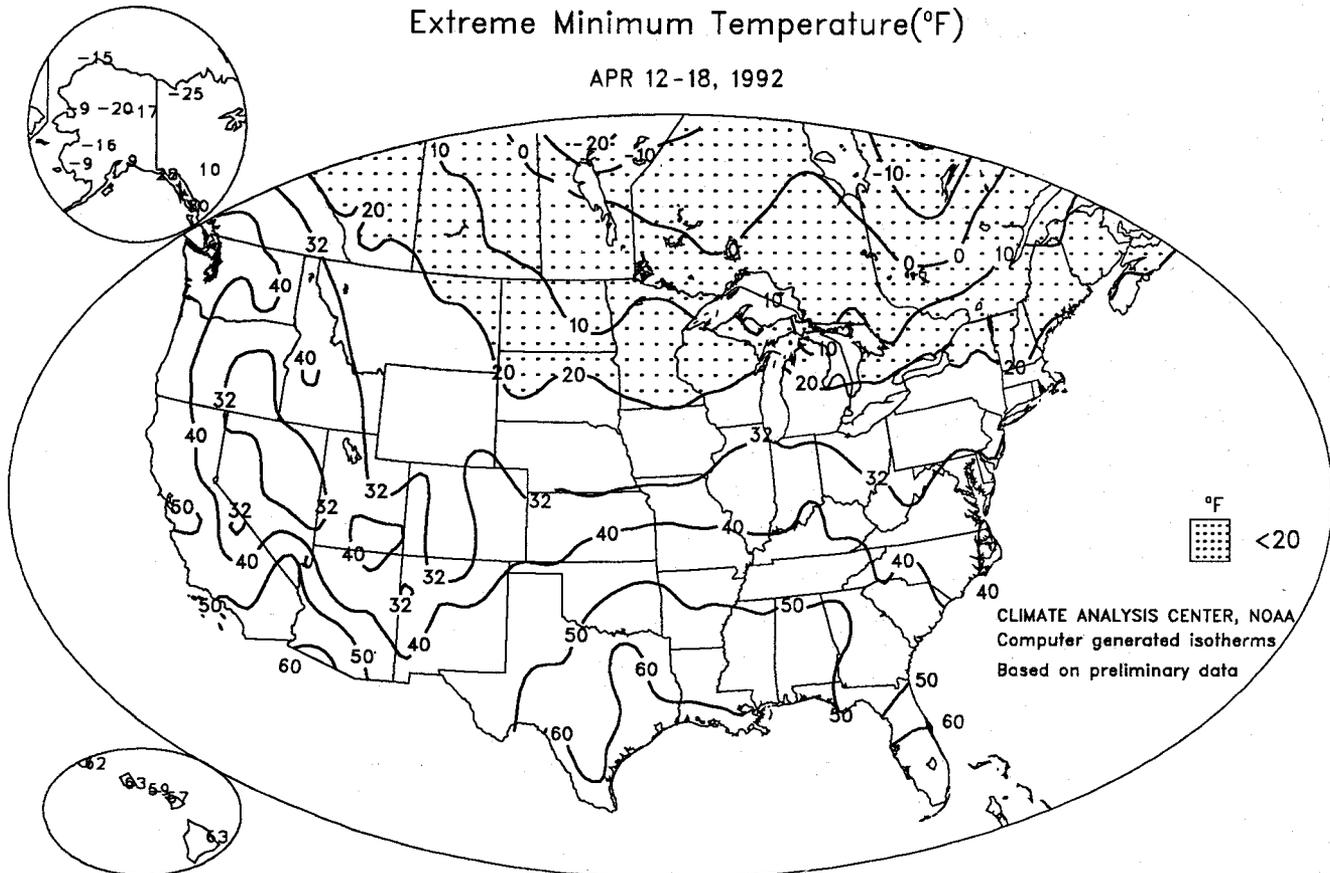
### Extreme Maximum Temperature(°F)

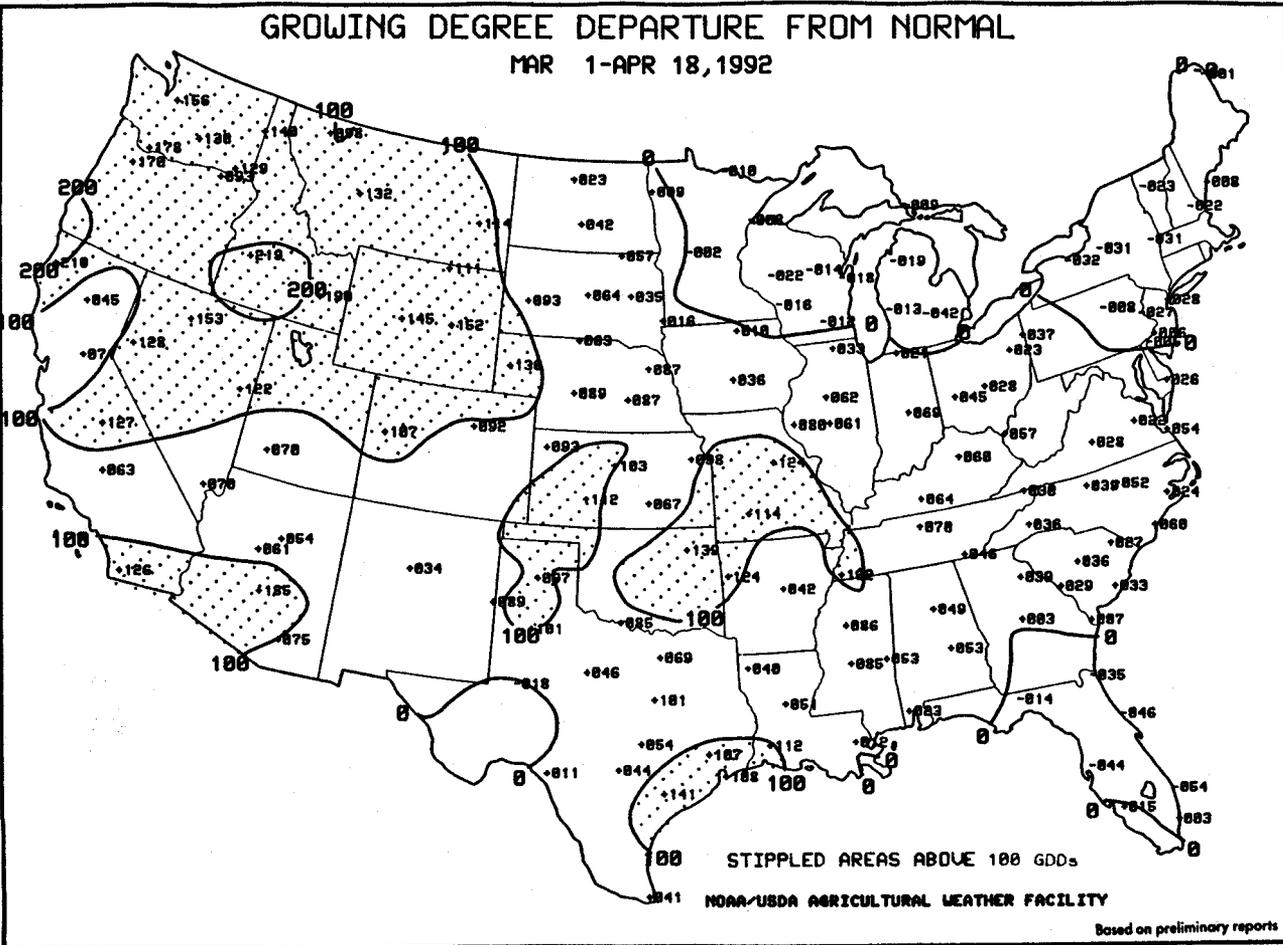
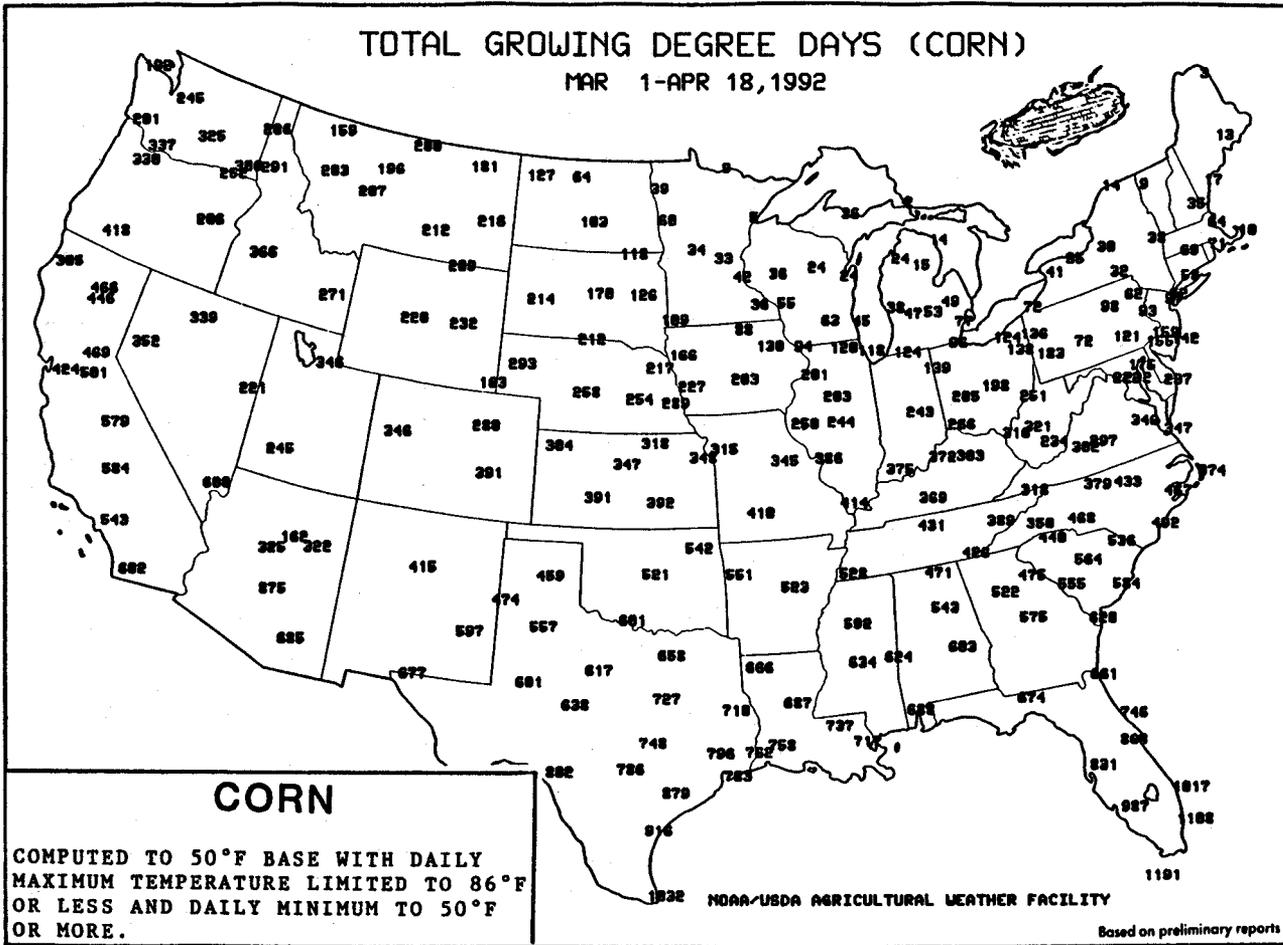
APR 12-18, 1992



### Extreme Minimum Temperature(°F)

APR 12-18, 1992





# National Weather Data for Selected Cities

Weather Data for the Week Ending April 18, 1992

STATES  AND  STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS							
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Mar 1	PCT. NORMAL SINCE Mar 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE	MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																			.01 INCH OR MORE	.50 INCH OR MORE		
AL BIRMINGHAM	83	56	85	52	70	7	.2	-1.0	.2	4.3	44	12.0	61	89	40	0	0	0	0	1	0	
MOBILE	81	60	87	55	71	2	.5	-1.7	.3	4.7	48	24.5	127	99	50	0	0	0	0	2	0	
MONTGOMERY	85	54	88	51	69	4	T	-1.0	T	4.2	49	20.2	116	97	40	0	0	0	1	1	0	
AK ANCHORAGE	42	25	52	9	33	-2	T	-1.1	T	3.3	32	2.5	94	73	43	0	0	4	2	0	0	
BARROW	8	-5	17	-15	2	3	.1	.0	.0	.2	81	4	58	86	75	0	0	7	3	3	0	
FAIRBANKS	40	11	56	-23	25	-6	.1	.0	.5	100	2.1	135	81	41	0	0	6	1	1	0	0	
JUNEAU	49	38	52	34	44	4	.6	-1.1	.3	8.5	170	24.5	195	98	64	0	0	0	3	3	0	
KODIAK	41	32	47	18	36	-1	1.3	.5	.8	6.9	116	18.1	107	94	69	0	0	3	6	1	0	
NOME	28	14	40	2	21	3	.0	-1.1	T	1.2	132	2.1	95	78	59	0	0	7	0	0	0	
AZ PHOENIX	91	66	98	63	78	10	.0	-1.1	.0	3.0	301	5.5	240	52	21	3	3	0	0	0	0	
PRESCOTT	72	43	79	39	57	6	.0	-1.1	T	1.6	135	5.2	175	58	20	0	0	0	0	0	0	
TUCSON	88	56	95	52	72	7	T	-1.1	T	2.3	262	5.4	230	64	16	2	2	0	0	0	0	
YUMA	91	62	97	60	77	6	.0	-1.0	.0	1.6	745	2.9	345	—	—	4	0	0	0	0	0	
AR FORT SMITH	81	60	88	53	70	8	.9	-1.1	.4	3.5	55	6.4	59	92	49	0	0	3	3	1	0	
LITTLE ROCK	79	60	86	49	70	7	T	-1.2	T	8.0	102	12.2	77	79	51	0	0	0	1	0	0	
CA BAKERSFIELD	78	52	84	49	65	2	.0	-2.2	.0	1.9	142	5.6	165	82	36	0	0	0	0	0	0	
EUREKA	64	53	68	49	59	9	1.1	.5	1.0	5.6	81	13.4	70	90	63	0	0	0	5	5	1	
FRESNO	78	54	82	51	66	5	.2	-1.1	.2	2.3	99	9.0	143	86	32	0	0	0	2	0	0	
LOS ANGELES	70	57	74	52	64	4	.0	-1.2	.0	5.3	223	11.6	146	91	63	0	0	0	2	0	0	
REDDING	68	53	75	49	61	0	1.4	.8	.8	5.3	78	18.5	85	91	52	0	0	0	3	2	2	
SACRAMENTO	71	52	77	45	61	3	.8	.5	T	2.9	102	9.8	99	92	51	0	0	0	1	1	1	
SAN DIEGO	71	60	73	59	66	4	T	-1.1	T	4.7	221	9.8	173	86	60	0	0	0	0	0	0	
SAN FRANCISCO	67	54	72	50	61	6	.1	-1.2	.1	4.4	121	12.9	111	91	59	0	0	0	1	0	0	
CO DENVER	69	44	83	41	56	9	.5	-1.1	.4	4.0	183	5.3	156	88	32	0	0	0	3	0	0	
GRAND JUNCTION	71	48	81	39	60	8	.1	-1.1	.0	1.8	156	2.4	102	70	26	0	0	0	5	0	0	
PUEBLO	70	41	88	36	55	4	.4	-2.2	.2	1.8	142	2.0	114	88	37	0	0	0	3	0	0	
CT BRIDGEPORT	50	37	56	31	43	-5	1.0	.1	.4	4.9	78	8.9	71	77	43	0	1	3	2	0	0	
HARTFORD	50	31	56	27	40	-9	1.8	.9	.7	6.0	91	11.0	82	81	36	0	5	4	2	0	0	
DC WASHINGTON	65	45	85	38	55	-2	.2	-1.5	.1	3.8	73	8.8	83	87	49	0	0	0	3	0	0	
FL APALACHICOLA	77	59	80	55	68	0	.2	-1.6	.2	2.4	39	17.6	132	—	—	0	0	0	2	0	0	
DAYTONA BEACH	77	60	79	56	68	-1	.3	-1.2	.3	4.7	110	8.9	90	99	61	0	0	0	1	0	0	
JACKSONVILLE	77	55	81	47	66	-3	.0	-1.7	.0	4.9	95	13.3	113	99	52	0	0	0	2	0	0	
KEY WEST	81	73	82	70	77	-1	.8	.4	.5	3.9	194	5.4	93	83	62	0	0	0	0	0	0	
MIAMI	81	70	86	68	76	0	.1	-1.6	.1	3.7	105	7.0	91	86	54	0	0	0	1	0	0	
ORLANDO	80	62	85	60	71	-1	.6	-1.1	.5	9.6	210	13.4	135	98	53	0	0	0	3	1	0	
TALLAHASSEE	84	52	86	44	68	1	.0	-1.9	.0	3.9	49	16.9	94	96	38	0	0	0	0	0	0	
TAMPA	83	61	86	59	72	1	-1	-1.3	.1	1.2	27	6.3	65	98	48	0	0	0	1	0	0	
WEST PALM BEACH	80	69	83	64	75	1	.4	-1.3	.3	4.8	108	9.7	99	83	56	0	0	0	3	0	0	
GA ATLANTA	82	59	85	52	71	9	.2	-1.8	.2	4.4	51	12.0	66	84	38	0	0	0	1	0	0	
AUGUSTA	83	51	87	41	67	4	T	-1.7	T	4.1	60	13.2	88	98	38	0	0	0	0	0	0	
MACON	82	54	85	46	68	2	.0	-1.8	.0	4.8	65	15.3	94	99	44	0	0	0	0	0	0	
SAVANNAH	79	55	84	49	67	1	T	-1.7	T	4.4	77	13.2	110	96	46	0	0	0	0	0	0	
HI HILO	80	65	83	63	73	0	1.7	-1.4	1.4	9.2	42	11.8	26	89	54	0	0	0	3	1	0	
HONOLULU	85	66	87	63	75	0	.0	-1.3	.0	.7	16	2.5	23	82	42	0	0	0	0	0	0	
KAHULUI	85	62	87	58	73	-1	T	-1.2	T	.9	27	4.4	42	91	49	0	0	0	1	0	0	
LIHUE	80	64	83	62	72	-1	.0	-1.7	.0	4.3	66	8.7	52	85	55	0	0	0	0	0	0	
ID BOISE	67	43	76	39	55	6	.3	.0	.2	.6	36	1.9	43	79	29	0	0	2	0	0	0	
LEWISTON	65	46	74	40	56	5	.3	.1	.2	1.6	95	3.0	76	79	43	0	0	0	4	0	0	
POCATELLO	66	39	72	35	53	8	.5	.2	.5	1.1	68	1.9	55	86	28	0	0	0	1	0	0	
IL CHICAGO	51	37	66	33	44	-5	1.1	.2	.7	4.4	87	6.7	85	86	66	0	0	0	6	1	1	
MOLINE	60	41	83	32	50	-1	1.2	.3	.5	2.4	48	5.5	69	87	61	0	1	5	5	1	0	
PRORIA	63	43	82	35	53	1	.9	.0	.5	3.8	74	6.4	78	96	61	0	0	0	5	0	0	
QUINCY	66	47	82	35	56	3	3.1	2.2	2.0	6.7	122	8.7	105	84	57	0	0	0	5	1	0	
ROCKFORD	52	37	64	30	45	-3	1.5	.5	1.0	4.4	86	6.7	87	86	65	0	1	5	1	0	0	
SPRINGFIELD	67	45	83	35	56	2	.9	.0	.6	4.2	76	6.8	77	91	56	0	0	0	3	1	0	
IN EVANSVILLE	78	53	85	37	65	9	.6	-1.3	.2	5.1	72	7.5	57	87	41	0	0	0	4	0	0	
FORT WAYNE	55	39	76	33	47	-3	2.2	1.3	1.0	5.9	116	9.0	97	90	61	0	0	5	2	0	0	
INDIANAPOLIS	65	47	78	38	56	3	2.4	1.5	1.0	6.2	107	8.8	80	89	53	0	0	0	5	2	0	
SOUTH BEND	53	37	71	30	45	-4	1.0	.1	.8	4.2	75	7.6	75	92	60	0	2	6	1	1	0	
IA DES MOINES	57	41	82	26	49	-1	1.3	.5	.7	4.1	102	7.2	117	91	62	0	1	4	1	1	0	
SIOUX CITY	52	38	68	24	45	-5	.7	-1.1	.3	4.2	139	5.5	120	91	64	0	2	3	0	0	0	
WATERLOO	55	38	76	23	47	-1	1.3	.4	.7	3.8	89	6.4	105	93	63	0	2	3	2	0	0	
KS CONCORDIA	64	46	85	33	55	2	.3	-1.2	.3	4.0	129	5.6	122	92	60	0	0	0	2	0	0	
DODGE CITY	69	46	85	37	57	3	.1	-1.3	.1	1.6	64	2.3	67	92	48	0	0	1	0	0	0	
GOODLAND	67	40	84	32	54	4	T	-1.3	T	1.9	121	2.6	112	95	43	0	1	0	0	0	0	
TOPEKA	69	50	87	38	60	5	1.2	.5	.9	6.6	164	8.6	144	92	58	0	0	0	2	1	1	
WICHITA	68	52	82	42	60	3	.6	-1.1	.6	4.2	123	5.3	107	96	65	0	0	0	3	1	0	
KY BOWLING GREEN	80	51	84	40	65	8	.2	-1.7	.2	6.5	80	11.6	69	91	40	0	0	0	2	0	0	
LEXINGTON	72	51	80	38	61	6	.4	-1.5	.3	5.5	76	11.0	77	82	40	0	0	0	3	0	0	
LOUISVILLE	75	53	83	42	64	7	1.3	-1.3	.7	7.8	108	11.5	83	82	41	0	0	0	3	2	0	
LA ALEXANDRIA	81	63	84	58	72	5	.5	-1.8	.4	7.6	92	20.5	117	91	56	0	0	0	3	0	0	
BATON ROUGE	83	64	88	62	74	5	1.3	-1.1	.8	6.3	79	23.5	133	96	54	0	0	0	3	1	0	
LAKE CHARLES	82	64	89	61	73	4	1.0	-1.1	.4	6.5	124	21.5	161	100	62	0	0	0	4	0	0	
NEW ORLEANS	81	61	86	58	71	2	.9	-1.1	.6	8.5	116	27.2	154	98	58	0	0	0	3	1	0	

Based on 1951-80 normals.

Weather Data for the Week Ending April 18, 1992

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION								RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Mar 1	PCT. NORMAL SINCE Mar 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	83	61	87	56	72	6	T	-1.1	T	6.0	91	17.0	120	96	46	0	0	1	0		
MS CARIBOU	41	21	55	10	31	-7	.2	-4.4	.2	3.2	82	9.7	114	66	32	0	7	1	0		
PORTLAND	45	27	50	21	36	-7	.9	-0.0	-7	5.7	90	13.9	101	72	39	0	6	4	1		
MD BALTIMORE	61	41	84	35	51	-3	.3	-1.5	-1	5.0	86	8.7	74	89	45	0	0	3	0		
SALISBURY	65	42	84	32	53	-1	.3	-1.5	-1	3.9	64	9.9	77	95	44	0	1	4	0		
MA BOSTON	48	34	59	31	41	-7	1.4	-5.5	-7	5.2	81	10.6	75	75	39	0	2	4	1		
CHATHAM	44	35	46	33	40	-5	1.2	-3.3	.6	5.2	82	8.8	58	88	59	0	0	4	1		
MI ALPENA	39	23	50	9	31	-10	.7	-1.1	.6	3.4	99	6.8	105	93	59	0	6	2	1		
DETROIT	51	36	71	28	43	-5	1.3	-6.6	1.0	5.0	112	8.3	103	86	50	0	2	2	1		
FLINT	48	32	57	24	40	-6	.7	-1.1	.6	4.1	104	6.8	98	92	55	0	4	3	1		
GRAND RAPIDS	47	35	55	27	41	-6	1.2	-3.3	.9	5.6	117	8.2	98	92	63	0	3	4	1		
HOUGHTON LAKE	42	28	55	14	35	-7	1.9	1.3	1.4	5.1	149	7.8	124	82	51	0	4	2	2		
LANSING	48	33	59	24	41	-5	.7	-1.1	.4	4.5	107	7.2	100	93	61	0	3	3	0		
MARQUETTE	39	22	49	-1	30	-7	.1	-1.1	.4	7.7	76	7.7	87	91	58	0	6	2	0		
MUSKOGON	48	36	56	27	42	-4	1.2	-5.5	1.1	4.5	102	7.3	85	89	57	0	3	3	1		
SAULT ST. MARIE	40	23	53	4	32	-7	.7	-4.4	.1	2.2	66	6.2	85	79	53	0	6	2	0		
MN ALEXANDRIA	45	32	55	14	38	-4	.4	-2.2	.7	3.2	129	4.4	110	91	67	0	3	1	1		
DULUTH	40	26	52	13	33	-5	.5	-3.3	.0	1.4	48	2.6	51	90	55	0	5	3	3		
INT'L FALLS	46	25	59	9	35	-7	.1	-4.4	.0	1.4	48	2.6	51	90	55	0	5	3	3		
MINNEAPOLIS	46	33	56	17	40	-7	.2	-2.2	.1	.9	43	3.2	90	89	50	0	5	3	0		
ROCHESTER	46	34	58	18	40	-7	.5	-3.3	.0	2.5	86	3.7	82	86	60	0	2	3	3		
MS GREENWOOD	84	60	88	54	72	8	.1	-1.2	.1	4.3	45	10.0	51	93	43	0	0	1	1		
JACKSON	85	59	88	55	72	8	.2	-1.1	.2	2.5	28	10.6	58	97	43	0	0	1	0		
MERIDIAN	84	60	88	56	72	7	.1	-1.2	.7	4.9	49	16.0	61	93	41	0	0	3	3		
MO CAPE GIRARDEAU	78	55	87	45	67	5	.9	-0.0	.4	4.3	56	9.6	69	85	44	0	0	3	1		
COLUMBIA	71	52	83	39	61	5	.9	-0.0	.4	5.2	91	7.6	82	87	58	0	0	4	0		
KANSAS CITY	67	50	84	36	58	2	.8	-0.0	.4	6.2	135	9.4	133	92	63	0	0	3	0		
SAINT LOUIS	74	54	87	39	64	8	1.0	-2.2	.4	4.6	85	7.6	81	85	47	0	0	4	0		
SPRINGFIELD	74	55	83	44	64	8	1.5	-6.6	.9	4.1	69	7.1	73	90	57	0	0	4	1		
MT BILLINGS	60	38	69	23	49	4	.7	-3.3	.4	2.2	103	2.4	63	88	43	0	1	3	0		
GLASGOW	60	33	70	22	47	3	.2	-0.0	.1	.8	112	1.0	78	89	37	0	4	3	0		
GREAT FALLS	64	36	71	24	50	7	.4	-1.1	.4	1.5	86	2.2	63	84	33	0	1	2	0		
HAVRE	64	35	72	27	50	6	.0	-3.3	.0	.1	11	.3	15	84	33	0	3	0	0		
HELENA	62	35	68	27	49	6	.1	-2.2	.1	.9	72	1.3	54	82	32	0	2	2	0		
FALISPELL	59	37	68	32	48	5	.8	-6.6	.3	1.9	130	3.8	93	92	45	0	1	6	0		
MILES CITY	60	38	70	23	49	3	1.5	1.2	.8	2.6	194	2.7	106	89	45	0	2	5	1		
MISSOULA	61	37	69	32	49	5	.3	-1.1	.3	2.3	166	2.8	79	92	41	0	2	3	0		
NE GRAND ISLAND	63	40	88	27	52	1	.2	-4.4	.2	3.5	117	6.3	145	92	50	0	2	1	0		
LINCOLN	64	44	87	29	54	3	.2	-5.5	.1	2.8	80	5.1	98	85	51	0	1	2	0		
NORFOLK	58	37	73	26	48	-2	.2	-3.3	.2	2.8	102	4.9	121	83	54	0	3	2	0		
NORTH PLATTE	60	39	72	30	49	1	.1	-3.3	.1	3.1	150	5.5	182	93	55	0	1	3	0		
OMAHA	59	41	77	25	50	-2	.7	-0.0	.5	4.8	135	7.3	140	85	65	0	1	2	0		
SCOTTSBLUFF	66	37	75	30	51	5	.2	-1.1	.2	1.4	83	3.1	120	92	35	0	2	1	0		
VALENTINE	60	36	70	22	48	2	.6	-2.2	.3	2.1	111	2.8	106	91	52	0	2	4	0		
NV ELY	66	33	71	26	49	8	T	-2.2	T	1.4	95	2.6	90	63	20	0	3	1	0		
LAS VEGAS	82	59	88	55	71	7	.0	-1.1	.0	4.8	893	6.6	446	51	18	0	0	0	0		
RENO	66	42	69	36	54	8	.1	-0.0	.1	.8	78	1.3	42	67	25	0	0	1	0		
WINNEMUCCA	67	38	71	31	52	7	T	-2.2	T	1.1	96	1.4	51	72	24	0	2	1	0		
NH CONCORD	45	24	51	15	35	-10	1.0	-3.3	.5	4.1	85	7.4	73	90	34	0	6	3	1		
NJ ATLANTIC CITY	58	38	81	32	48	-3	.4	-4.4	.3	3.5	59	6.6	51	90	48	0	2	3	0		
NM ALBUQUERQUE	75	48	84	42	61	6	.1	-1.1	.1	.8	118	1.6	110	78	21	0	0	2	0		
CLOVIS	75	47	81	43	61	4	.6	-4.4	.4	1.2	124	3.3	181	90	31	0	0	2	0		
ROSWELL	81	52	86	47	66	6	.1	-0.0	.1	.4	68	2.0	142	84	28	0	0	3	0		
NY ALBANY	48	28	54	23	38	-9	1.4	-8.8	.9	3.7	79	6.9	73	84	35	0	5	3	1		
BINGHAMTON	48	29	53	21	38	-6	1.5	-7.7	.6	5.7	119	9.3	96	81	45	0	4	4	1		
BUFFALO	46	30	57	24	38	-7	1.1	-4.4	.8	5.2	108	9.7	94	88	51	0	4	3	1		
NEW YORK	52	40	57	33	46	-6	.5	-4.4	.3	5.1	80	7.9	63	80	43	0	0	3	0		
ROCHESTER	46	30	52	23	38	-8	1.2	-6.6	1.0	5.6	138	9.0	102	89	48	0	4	3	1		
SYRACUSE	46	30	52	23	38	-9	1.7	-9.9	1.4	6.9	135	12.0	115	88	40	0	4	3	1		
NC ASHEVILLE	78	49	82	39	64	7	.3	-4.4	.3	4.6	67	11.4	85	94	37	0	0	1	0		
CHARLOTTE	81	56	85	44	68	8	.2	-6.6	-1	5.1	75	12.7	88	81	32	0	0	3	0		
GREENSBORO	77	52	85	38	64	6	.5	-3.3	.3	3.3	58	9.9	78	81	36	0	0	2	0		
HATTERAS	67	52	77	46	60	0	.1	-6.6	.1	8.0	137	16.6	112	91	56	0	0	2	0		
NEW BERN	74	52	82	39	63	0	.4	-3.3	.2	3.6	67	12.3	92	82	48	0	0	2	0		
RALEIGH	76	52	86	35	64	4	.6	-1.1	.6	3.7	68	9.7	78	87	38	0	0	1	1		
WILMINGTON	73	52	80	38	63	-1	.4	-3.3	.4	6.3	109	15.5	119	93	44	0	0	1	0		
ND BISMARCK	55	31	67	13	43	0	.1	-3.3	.1	.8	50	1.5	59	92	45	0	3	2	0		
FARGO	51	33	59	11	42	0	.2	-2.2	.2	1.5	77	2.9	102	87	52	0	2	1	0		
GRAND FORKS	50	31	57	5	41	-1	.3	-1.1	.3	1.4	89	2.4	85	89	53	0	4	1	0		
WILLISTON	56	33	72	17	44	2	1.2	-9.9	1.2	2.4	187	2.9	132	86	47	0	2	1	1		
OH AKRON-CANTON	59	37	78	24	48	-1	1.3	-6.6	.5	5.9	112	9.8	97	86	49	0	3	3	0		
CINCINNATI	67	49	79	39	58	4	.7	-1.1	.5	5.7	94	9.7	80	84	46	0	0	4	0		
CLEVELAND	57	37	79	29	47	-2	1.6	-8.8	.6	5.3	106	11.3	116	86	51	0	2	3	2		
COLUMBUS	61	44	80	33	53	1	1.3	.5	.7	5.0	96	7.7	75	93	55	0	0	5	1		

Based on 1951-80 normals.

Weather Data for the Week Ending April 18, 1992

STATES  AND  STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS							
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Mar 1	PCT. NORMAL SINCE Mar 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE	MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																			OR MORE	OR MORE	.01 INCH	.50 INCH
DAYTON	61	45	81	36	53	1	3.3	2.5	1.6	6.9	134	10.9	111	93	57	0	0	0	0	4	2	
TOLEDO	52	37	79	31	45	-1	1.2	.4	.8	4.6	104	8.0	97	88	52	0	1	1	4	3	1	
YOUNGSTOWN	58	36	76	23	47	-1	2.0	1.2	.9	6.6	123	10.4	101	88	51	0	1	4	3	3	3	
OK OKLAHOMA CITY	74	57	83	49	65	5	1.7	1.0	.9	2.8	78	5.2	88	95	61	0	0	0	0	5	2	
TULSA	75	58	85	50	66	5	1.4	.4	.6	3.9	70	5.7	66	93	56	0	0	0	0	4	2	
OR ASTORIA	59	48	63	44	54	6	2.8	1.7	1.1	6.6	64	21.6	75	95	72	0	0	0	0	2	2	
BURNS	58	35	67	29	47	3	.5	.3	.2	1.3	98	2.4	61	92	43	0	0	3	3	0	0	
MEDFORD	66	47	71	45	57	6	.6	.3	.3	1.2	49	2.6	33	100	53	0	0	0	0	4	0	
PENDLETON	62	45	67	42	54	3	.4	.2	.2	1.3	77	2.7	60	88	50	0	0	0	0	3	0	
PORTLAND	65	50	70	45	57	7	1.3	.8	.7	4.4	88	12.8	85	97	66	0	0	0	0	5	1	
SALEM	65	47	69	41	56	7	1.9	1.4	.8	4.3	75	13.6	77	94	55	0	0	0	0	5	2	
PA ALLENTOWN	54	36	63	28	45	-5	.4	-.5	-.2	3.9	62	7.1	56	83	45	0	1	1	4	4	0	
ERIE	51	35	73	29	43	-3	1.3	.4	.8	4.3	86	8.8	92	85	49	0	0	4	3	1	0	
HARRISBURG	58	42	70	31	50	-3	.2	-.6	-.2	5.3	99	8.0	71	76	48	0	1	1	1	0	0	
PHILADELPHIA	60	42	78	34	51	-2	.2	-.6	-.1	3.5	58	5.7	47	80	44	0	0	0	3	3	1	
PITTSBURGH	64	42	77	28	53	2	1.1	.3	.7	4.9	88	8.7	80	85	53	0	0	2	3	1	0	
SCRANTON	53	34	59	26	44	-5	.5	-.2	-.2	3.7	83	6.3	72	83	46	0	4	4	4	0	0	
RI PROVIDENCE	51	34	57	31	42	-6	1.5	.6	.7	5.9	88	12.7	87	83	36	0	3	3	4	2	0	
SC CHARLESTON	77	55	82	42	66	2	.2	-.3	-.1	4.1	69	11.3	89	96	47	0	0	0	0	4	0	
COLUMBIA	83	55	88	43	69	5	.6	-.3	.5	4.1	56	11.4	72	91	34	0	0	0	3	1	0	
FLORENCE	80	54	85	40	67	3	.1	-.6	-.1	2.3	38	7.7	60	91	37	0	0	0	0	1	0	
GREENVILLE	81	51	87	39	66	5	.2	-.8	-.1	5.8	66	14.4	82	93	37	0	0	0	2	0	0	
SD ABERDEEN	54	33	63	13	43	-1	.2	-.2	.2	.9	42	2.0	63	92	53	0	3	3	3	0	0	
HURON	50	34	58	25	42	-4	1.3	.9	1.0	2.8	120	4.7	134	94	61	0	3	3	4	1	0	
RAPID CITY	60	35	73	19	48	3	.1	-.4	.0	2.4	112	2.8	90	93	47	0	2	3	0	0	0	
STOUC FALLS	47	36	55	24	41	-6	.4	-.1	-.2	3.3	114	5.8	133	94	72	0	2	3	0	0	0	
TN CHATTANOOGA	82	55	84	52	68	8	.2	-.8	-.1	5.5	60	14.4	75	94	41	0	0	0	2	0	0	
KNOXVILLE	81	57	84	48	69	9	T	-.9	T	4.3	55	11.5	69	93	49	0	0	0	1	0	0	
MEMPHIS	81	61	87	49	71	8	.1	-1.2	.1	7.6	85	11.6	65	82	45	0	0	0	1	0	0	
NASHVILLE	80	55	85	43	68	8	T	-1.0	T	4.7	57	10.3	61	88	39	0	0	0	1	0	0	
TX ABILENE	77	57	82	51	67	1	1.1	.6	1.0	2.8	119	8.3	189	93	51	0	0	0	3	1	0	
AMARILLO	71	49	80	44	60	3	1.2	1.0	.4	2.6	193	3.4	142	94	49	0	0	0	4	0	0	
AUSTIN	80	63	84	57	72	3	1.2	.4	1.2	7.3	214	18.7	249	96	61	0	0	0	1	1	1	
BEAUMONT	81	63	87	61	72	3	.5	-.5	.5	6.4	118	24.0	173	99	63	0	0	0	1	1	1	
BROWNSVILLE	84	66	86	61	75	0	1.6	1.3	1.3	3.9	295	9.4	229	96	58	0	0	0	3	1	1	
CORPUS CHRISTI	82	65	84	60	74	0	1.3	.9	1.3	6.8	393	16.4	340	98	62	0	0	0	1	1	1	
DEL RIO	80	64	88	59	72	0	.8	.3	.6	4.2	246	9.9	318	79	48	0	0	0	3	1	0	
EL PASO	84	53	88	50	69	5	.3	.3	.2	.8	186	2.1	168	74	18	0	0	0	2	0	0	
FORT WORTH	80	63	86	61	72	6	.6	-.4	.6	4.2	88	9.9	118	92	55	0	0	0	1	1	1	
GALVESTON	78	68	82	64	73	4	.5	-.2	.5	5.5	150	22.3	247	96	71	0	0	0	1	0	0	
HOUSTON	82	63	88	62	73	4	1.9	1.0	1.9	9.8	205	23.5	202	98	53	0	0	0	1	1	1	
LUBBOCK	77	52	83	48	64	4	.3	.0	.2	2.2	157	5.6	238	99	46	0	0	0	2	0	0	
MIDLAND	78	53	86	48	66	2	.1	-.1	.1	1.7	198	5.5	300	94	39	0	0	0	1	0	0	
SAN ANGELO	78	58	85	55	68	1	T	-.4	T	2.0	116	7.7	240	94	52	0	0	0	2	0	0	
SAN ANTONIO	81	64	84	58	72	3	1.7	1.1	1.7	9.0	317	21.0	337	96	56	0	0	0	2	1	1	
VICTORIA	84	64	89	61	74	3	5.3	4.7	5.3	8.8	325	22.9	334	97	55	0	0	0	1	1	1	
WACO	82	63	87	60	73	5	.5	-.4	.5	4.2	102	15.0	191	93	52	0	0	0	1	1	0	
WICHITA FALLS	78	57	86	53	68	4	.6	-.1	.6	1.9	56	4.8	90	96	57	0	0	0	3	1	0	
UT CEDAR CITY	67	41	72	36	54	7	T	-.2	T	2.0	120	3.5	112	64	25	0	0	0	0	0	0	
SALT LAKE CITY	71	48	79	37	59	10	.4	-.1	.2	1.5	49	3.5	61	72	28	0	0	0	2	0	0	
VT BURLINGTON	44	25	49	18	34	-8	.4	-.3	.3	3.9	102	7.1	96	93	39	0	5	2	2	0	0	
VA NORFOLK	70	50	87	40	60	1	.4	-.2	.3	3.2	58	9.7	77	88	43	0	0	0	3	0	0	
RICHMOND	73	48	88	38	61	2	.6	.0	.6	6.6	124	11.0	94	87	39	0	0	0	2	1	0	
ROANOKE	73	49	82	40	61	4	.3	-.4	.2	3.2	59	9.5	82	83	37	0	0	0	4	0	0	
WA QUILLAYUTE	57	47	63	41	52	6	4.6	3.0	1.9	9.1	55	40.3	93	98	75	0	0	0	7	3	0	
SEATTLE-TACOMA	63	48	67	44	55	7	2.0	1.5	1.0	4.4	87	15.4	100	98	57	0	0	0	5	2	0	
SPOKANE	61	42	70	37	51	5	.4	-.1	.2	1.0	51	4.9	81	92	47	0	0	0	4	0	0	
YAKIMA	65	42	70	32	54	5	.3	-.2	.2	1.0	116	1.9	64	96	43	0	1	2	0	0	0	
WV BECKLEY	70	48	76	33	59	7	.7	-.1	.4	6.4	105	10.7	83	86	38	0	0	0	4	0	0	
CHARLESTON	71	49	84	37	60	4	1.1	.3	.9	6.7	109	11.3	88	89	33	0	0	0	4	1	1	
HUNTINGTON	72	49	85	37	60	4	1.5	.7	1.4	6.0	98	10.0	81	85	35	0	0	0	5	1	0	
PARKERSBURG	68	47	81	33	57	3	.7	-.1	.4	5.6	100	8.3	75	83	40	0	0	0	4	0	0	
WI GREEN BAY	43	33	51	23	38	-6	1.3	.6	.7	4.8	140	6.1	107	94	63	0	2	2	2	2	2	
LACROSSE	48	36	61	22	42	-5	2.7	2.0	1.8	7.0	192	8.7	159	83	57	0	1	3	1	1	1	
MADISON	46	35	57	24	41	-6	1.3	.6	.8	3.8	95	5.9	96	87	64	0	2	4	1	1	1	
MILWAUKEE	43	36	51	29	39	-6	1.0	.2	.5	4.3	92	6.9	91	88	70	0	1	4	1	1	1	
WAUSAU	43	31	52	16	37	-7	1.2	.5	.7	4.1	114	5.3	97	93	63	0	3	4	1	1	0	
WY CASPER	65	38	75	29	52	9	.1	-.3	.0	1.4	75	1.9	66	86	31	0	1	2	0	0	0	
CHEYENNE	61	40	72	35	50	8	.2	-.1	.1	2.0	123	2.5	101	89	35	0	0	0	3	0	0	
LANDER	64	39	75	30	51	9	.2	-.3	.2	2.2	92	2.8	80	73	26	0	2	1	0	0	0	
SHERIDAN	61	39	71	24	50	7	.7	.2	.4	2.2	101	2.4	65	90	47	0	2	3	0	0	0	

Based on 1951-80 normals.

## National Agricultural Summary

April 13 - 19, 1992

**HIGHLIGHTS:** Numerous thunderstorms visited the Mississippi and Ohio Valleys, delaying field work but improving crop prospects. Rains largely missed the northern and central Great Plains, however, where lack of soil moisture remains a concern. Above-normal temperatures in all but the Nation's northeast quadrant promoted good forage and crop development.

**SMALL GRAINS:** Winter wheat condition ratings for the 19 major producing States remained mostly good to fair. Some improvement in the ratings was noted in the Central States, but over 30 percent (%) of the acreage in Illinois, Indiana, Missouri, and South Dakota remained in very poor or poor condition. Progress of winter wheat heading reached 13% complete in the 19 major States, compared with 14% last year and 8% for the 5-year average. Higher temperatures advanced winter wheat heading sharply in the Southern States, with progress jumping 25 percentage points or more in California, Georgia, and Oklahoma. Heading progress was, however, still behind normal in the Atlantic Coast States. Spring wheat planting was 34% complete in the five major States, 1 point ahead of last year and 8 points ahead of the historic average. Planting progress was well ahead of normal in Idaho, Montana, and South Dakota. Spring barley planting was well along in the Pacific Northwest, past the midway point in the northern Rocky Mountains, and gaining momentum in the northern Great Plains. Some barley was lodged due to excessive moisture in California, as additional heavy rains fell in the northern part of the State. The Pacific coast rains were very timely, however, for newly seeded spring grains in Oregon and Washington.

**CORN:** Corn planting progressed to 9% complete in the 17 major producing States, 2 points ahead of last year, and 3 points ahead of the average. Planting was in full swing in the Southern States and in the early stages in the Central States. Planting had yet to begin in the northernmost States, and wet field conditions limited progress of field preparations.

**COTTON:** Cotton planting reached 15% complete in the 14 major producing States, 2 points ahead of last year, but 1 point behind the average. Progress was fairly normal in all major States, with planting in full swing in the West and gaining momentum in the Delta and Southeast.

**GRAIN SORGHUM:** Grain sorghum planting advanced to 20% complete in the 12 major States, compared with 18% last year and 17% average. Planting was in full swing in central Texas, and good progress was made in the Delta. Planting was well ahead of schedule in Arkansas and beginning in Missouri, Oklahoma, and New Mexico.

**RICE:** Progress continued to outpace both last year and the 5-year average, reaching 53% complete in the five major producing States, 31 percentage points ahead of last year, and 29 points ahead of the historic average. Planting

continued to progress much faster than normal in the Delta, while rains along Texas' Upper Coast region slowed progress somewhat. Northern California's rains slowed field preparation and stubble burning.

**OTHER FIELD CROPS:** Alfalfa and oat hay cutting continued in the Southwest, and some alfalfa seed was mowed in California. Winter and early-spring potato harvests continued in the Southwest and Southeast. Spring potato planting was nearly complete in North Carolina, while summer and fall potato planting became active further up the Atlantic Coast. Fall potato planting continued in the Pacific Northwest and was nearly half complete in Washington. Sugar beet planting continued in full swing in the Rocky Mountain States, and was beginning in North Dakota and Minnesota. Dry pea and lentil planting continued to progress ahead of normal in the Palouse region of the Pacific Northwest.

**FRUIT AND NUTS:** Arizona and southern California citrus harvests continued with mostly dry weather. California navel orange picking was well along, and Valencia picking was underway. Florida's Valencia harvest was in full swing, while grapefruit and tangerine movement slowed. Georgia peaches were in full bloom, early fruits were blooming in Oregon, and apple petals were beginning to fall in Washington. Frost damage was reported in Oregon east of the Cascades, with apricots, cherries, and walnuts affected. Maple sugaring continued throughout New England and northern New York.

**VEGETABLES:** Artichoke harvest remained active along California's central coast, and asparagus cutting in the Sacramento Delta and Salinas and Sacramento Valleys. Broccoli, cauliflower, celery, and lettuce harvests continued in California, and onion digging commenced in the Imperial Valley. Planting of sweet corn, melons, peppers, and tomatoes continued in the State. Florida vegetable harvests were active as only scattered showers were received. Florida's volume leaders were tomatoes, potatoes, sweet corn, cucumbers, peppers, and cabbage. Onion planting was well along in the West, while harvest was starting in Georgia. Planting of summer vegetables increased in the central Atlantic Coast States, and planting of cold tolerant vegetables was undertaken further north.

**PASTURES AND LIVESTOCK:** Additional rains enhanced range and pasture conditions in the West and South-Central States, with good to excellent conditions predominant. Calving and lambing continued, though well along, across the West.

### Crop Progress

for the Week Ending April 19, 1992

#### COTTON (Percent Planted)

	Current	Last Wk	1991	Avg.
AL	24	4	18	23
AZ	40	32	34	67
AR	3	0	0	1
CA	50	25	50	69
GA	5	1	5	8
LA	11	3	5	5
MS	6	1	6	4
MO	3	0	0	1
NM	40	17	51	48
NC	1	0	7	6
OK	0	0	1	1
SC	1	0	4	5
TN	1	0	1	1
TX	15	12	12	13
14 States	15	9	13	16

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

#### CORN (Percent Planted)

	Current	Last Wk	1991	Avg.
CO	2	0	1	1
GA	89	75	92	90
IL	13	4	8	5
IN	3	1	2	2
IA	3	0	1	1
KS	20	10	30	10
KY	29	3	6	9
MI	0	0	0	0
MN	0	0	0	0
MO	24	12	28	17
NE	3	0	2	3
NC	54	32	51	36
OH	4	1	3	4
PA	0	0	1	2
SD	0	0	0	0
TX	63	54	69	70
WI	0	0	0	0
17 States	9	4	7	6

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

#### GRAIN SORGHUM (Percent Planted)

	Current	Last Wk	1991	Avg.
AR	47	20	9	13
CO	0	0	0	0
IL	0	0	0	0
KS	0	0	0	0
LA	29	10	47	25
MS	26	9	30	20
MO	5	0	1	0
NE	0	0	0	0
NM	1	0	0	NA
OK	2	1	6	3
SD	0	0	0	0
TX	57	52	53	52
12 States	19	16	17	NA
Excl. States with NA	20	17	18	17

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

### Crop Condition (Percent)

for the Week Ending April 19, 1992

#### RICE (Percent Planted)

	Current	Last Wk	1991	Avg.
AR	66	20	7	11
CA	0	0	0	0
LA	59	41	50	46
MS	38	18	12	18
TX	56	46	63	68
5 States	53	25	22	24

These 5 States produced 97% of the 1991 rice crop.

#### WINTER WHEAT (Percent Headed)

	Current	Last Wk	1991	Avg.
AR	22	7	18	20
CA	75	50	70	82
CO	0	0	0	0
GA	49	18	87	78
ID	0	0	0	0
IL	0	0	0	0
IN	0	0	0	0
KS	0	0	2	1
MI	0	0	0	0
MO	0	0	0	0
MT	0	0	0	0
NE	0	0	0	0
NC	10	5	27	18
OH	0	0	0	0
OK	45	20	42	21
OR	0	0	0	0
SD	0	0	0	0
TX	27	14	31	19
WA	0	0	0	0
19 States	13	6	14	8

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

#### WINTER WHEAT

State	VP	P	F	G	EX
AR	0	1	12	77	10
CA	0	0	5	40	55
CO	1	3	21	62	13
GA	0	1	32	67	0
ID	0	5	25	55	15
IL	18	17	40	25	0
IN	24	34	37	5	0
KS	0	12	46	36	6
MI	NA	NA	NA	NA	NA
MO	14	22	48	16	0
MT	7	17	33	38	5
NE	5	16	47	32	0
NC	0	1	9	86	4
OH	7	18	41	30	4
OK	0	0	47	53	0
OR	0	5	19	58	18
SD	4	27	32	34	3
TX	0	1	24	60	15
WA	0	0	40	60	0
19 State	3	9	37	45	6
Prev Week	3	10	37	44	6
Prev Year	4	10	40	39	7

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

#### SPRING WHEAT (Percent Planted)

	Current	Last Wk	1991	Avg.
ID	81	63	56	55
MN	23	7	26	26
MT	48	36	38	32
ND	15	7	25	15
SD	85	58	57	49
5 States	34	21	33	26

These 5 States produced 87% of the 1991 spring wheat crop.

## State Summaries of Weather and Agriculture

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

**ALABAMA:** Rainfall under 0.50 in.; over 1.00 in. local areas. Temperatures 2 to 7° above normal. Highs low to mid 80s north; mid to upper 80s central, south. Lows near 50° most areas; mid 50s coast.

Days suitable for fieldwork 6.1. Soil moisture 27% short, 71% adequate, 2% surplus. Mostly dry weather provided excellent conditions for fieldwork progress. Plantings for most major row crops jumped ahead of normal. Acreage intended for spring planting 74% prepared, 71% 1991, 66% avg. Fieldwork progress 74% on schedule; 19% behind normal, 6 days avg.; 7% ahead of normal, 8 days avg. Corn 73% planted, 66% 1991, 68% avg. Sorghum 13% planted, 17% 1991, 16% avg. Cotton 24% planted, 18% 1991, 23% avg. Peanuts 11% planted, 10% 1991, 9% avg. Winter wheat 51% headed, 67% 1991, 54% avg.; 5% turning color, 8% 1991, 11% avg.; conditions 1% poor, 34% fair, 63% good, 2% excellent. Livestock feed now obtained from pastures 73%. Pastures 2% poor, 30% fair, 64% good, 4% excellent. Livestock 22% fair, 78% good. Primary activities: Preparing land for spring planting; planting corn, sorghum, cotton, peanuts, summer potatoes, vegetables; applying fertilizer, herbicides; scouting wheat, potato fields; testing soil; general care, feeding of livestock, poultry, catfish.

**ARIZONA:** Sunny, warm statewide for period except few showers, east, 13th, north, central 15th, north, east 16th, 18th. Rainfall none west to 0.11 northeast. Temperature 1 to 10° above normal. Extremes 29°; 91°, higher elevations, 41°; 98° deserts.

Cotton planted 40%, 34% 1991, 67% avg. Activities seedbed preparations, pre-irrigation. Alfalfa condition mostly good; weeds moderate, insects light statewide, except east heavy; harvest, moderate. Small grains heading, 81%, 84% 1991, 85% avg.; turning color, 20%, 25% 1991, 26% avg. Condition excellent. Oranges, grapefruit harvested west, central. Peaches harvested west. Lettuce, red potatoes, tangerines, mixed vegetables harvested, central.

**ARKANSAS:** Temperatures above normal, scattered showers later part of week, heaviest in northeast. Extremes 38°; 90°. Rainfall none to 1.76 in.

Days suitable for fieldwork 7. Wheat fair to good. Fungicide applied to some fields in east central to control rust, septoria leaf blotch. Rice planting is ahead of schedule. Corn and Sorghum planting continues. Soil preparation in full swing. Some cotton has already been planted. Tomatoes were flowering. Strawberries were beginning to bloom. Blueberries were being irrigated heavily in Northwest. Pastures in fair to good condition. Pastures and hay fields behind in northwest due to dry weather. Clover pastures in excellent condition in southwest. Livestock in good condition. Producers spraying for tick, fly problems.

**CALIFORNIA:** Rain northern half first two days. High pressure followed. Frontal system late in week affected north end, Sierra mountains. Gusty offshore winds over weekend.

Field activities slowed, rains previous weekend; gained momentum as soils dried. Small grains excellent growth. Irrigation, aphid treatments ongoing. Barley lodging some areas, excessive moisture. Rice field preparation, stubble burning slowed, wet conditions. Cotton planting continued; many fields emerging. Alfalfa, oats, forage mixes cut hay, green hopped. Alfalfa seed mowed, irrigated, treated weeds. Corn, safflower planted, irrigated. New crop sugar beets sprayed aphids; harvest over wintered beets progressed. Artichoke harvest active central coast. Asparagus cutting started Firebaugh district, continued Sacramento Valley, Delta, Salinas Valley areas. Broccoli movement heavy Salinas Watsonville, Santa Maria, good quality. Cauliflower supplies moderate Salinas Watsonville, fairly light Santa Maria, variable quality. Celery harvest continued south districts, excellent quality. Iceberg lettuce harvested Kern Tulare, Westside areas, excellent quality. Volume seasonally increasing Salinas Watsonville, fairly light Santa Maria, good quality. Leaf, Romaine lettuce harvest moderate, good quality Salinas Watsonville. Onion digging started Imperial Valley. Fall potato movement, Tulelake Butte Valley, moderate to light. Winter potato harvest continued south district. Spinach harvest on-going some central valley areas. Strawberries being picked central coast, south, East side districts, variable quality. Planting continued for sweet corn, melons, peppers, tomatoes, sweetpotatoes. Additional rains enhanced range pasture. Conditions good to excellent. Stock ponds filling. Cattle movement light. Supplemental feeding light. Bees moved into fields.

**COLORADO:** Record high temperatures 13th at several locations near eastern foothills, San Luis Valley. Widespread showers 14th through 16th mainly in the east. Light rain on eastern plains 18th with heavy snow in mountains. Temperatures 4 to 8° above average.

Days suitable for fieldwork 5.1. Soil moisture 1% very short, 25% short, 70% adequate, 4% surplus. Barley seeded 48%, 37% 1991, 46% avg.; emerged 30%. Oats seeded 54%, 43% 1991, 39% avg.; emerged 26%. Spring wheat seeded 31%, 15% 1991, 19% avg.; emerged 7%. Dry onions planted 76%, 61% 1991, 65% avg. Corn planted 2%, 1% 1991, 1% avg. Sugarbeets planted 60%, 69% 1991, 50% avg. Winter wheat 1% very poor, 3% poor, 21% fair, 62% good, 13% excellent. Cows calved, ewes lambed 81%, 86% respectively. Livestock mostly good. Pasture, range feed good.

**FLORIDA:** Temperatures at or couple degrees above normal. Highs: mid 80s. Lows: mid 40s, low 50s north, mid, upper 50s central, 60s south. Rainfall 0.25 to 0.75 in. across west, north, central. Local totals 1.00 or more in. across south Florida.

Soil moisture adequate to surplus Panhandle, northern Peninsula; short to adequate central Peninsula; mostly adequate southern Peninsula. Peanut planting becoming active. Farmers preparing to plant cotton. Corn planting virtually complete. Cool weather slowing growth corn, tobacco. Winter wheat, sugarcane making good progress. Citrus groves, trees near excellent condition. Moisture adequate, some low volume irrigation continues. Spring flush turning dark green and maturing. Valencia harvest in full swing. Grapefruit movement slowing as supplies are running low. Temple and Honey tangerine harvest almost over. Caretakers cutting cover crops and post bloom spraying. Near normal temperatures prevailed over major vegetable producing areas. Rainfall generally limited to scattered showers. Strong winds lowered crop condition, some areas. Harvest active. Volume leaders: tomatoes, potatoes, sweet corn, cucumbers, peppers, cabbage. Also available: snap beans, carrots, celery, eggplant, escarole, lettuce, radishes, squash. First Immokalee watermelons harvested. Palmetto-Ruskin tomato harvest underway. State's pastures fair to good. Pasture ratings, 40% fair, 60% good. Moisture levels short to adequate. State's cattle herds mostly good to excellent condition.

**GEORGIA:** Warm, dry week. Temperatures 2 to 6° above normal. Highs 80° northeast mountains, middle 80s few upper 80s south. Coolest lows 40° northeast mountains, middle to upper 40s elsewhere. Rain 1 to 3 days north, 1 day or less central, south. Amounts under 0.33 in. north isolated spots over 1.00 in., less than 0.10 in. central, south.

Days suitable for fieldwork 5.7. Soil moisture 19% short, 79% adequate, 2% surplus. Corn 31% fair, 65% good, 4% excellent. Cotton 44% fair, 56% good. Sorghum 10% planted, 17% 1991, 10% avg. Peanuts 37% fair, 63% good; 7% planted, 13% 1991, 13% avg. Soybeans 0% planted, 0% 1991, 1% avg. Tobacco 4% poor, 46% fair, 49% good, 1% excellent; 94% transplanted, 99% 1991, 93% avg. Wheat 99% jointing, 100% 1991, 100% avg.; 85% boot, 99% 1991, 95% avg.; Development week later than normal; few reports disease, hessian fly south. Other small grains 27% fair, 72% good, 1% excellent. Onions 8% fair, 92% good; 7% harvested, 22% 1991, 25% avg. Watermelons 3% poor, 67% fair, 30% good; 86% planted, 91% 1991, 91% avg. Other vegetables 10% poor, 39% fair, 51% good. Apples 10% fair, 90% good; 85% blooming, 95% 1991, 97% avg. Peaches 1% poor, 29% fair, 70% good; 99% blooming, 100% 1991, 100% avg. Pastures good. Cattle, hogs good. Farmers preparing land for planting, planting row crops. Harvesting onions, disease control in wheat.

**HAWAII:** Dry weather prevailed, contributing toward lower water supplies across the State. Some crop growing areas received light shower activity, more needed to replenish below normal soil moisture levels. Irrigation water restrictions continued Maui, Hawaii, hampering some new vegetable plantings, disrupting normal irrigation schedules. Temperatures high 50s to mid 80s. Insect population increase aided by dry, warm weather. Spray programs generally effective. Rainfall none to 0.50 in.

Days suitable for fieldwork 7.0. On Hawaii island, banana production continued near

normal levels and papaya supplies continued lower. New season watermelon harvesting on Molokai light, fair quality. Sweet corn production increasing. Warmer weather benefited spring plantings.

**IDAHO:** Statewide, temperatures 3 to 10° above normal. Precipitation fell across the State. Sandpoint, in the north, received the most with 0.77 in.

Days suitable for fieldwork 5. Soil moisture 15% very short, 25% short, 56% adequate, 4% surplus. Spring wheat emerged 54%, 19% 1991, 21% avg. Spring barley planted 76%, 49% 1991, 50% avg.; emerged 46%, 18% 1991, 22% avg. Oats planted 65%, 28% 1991, 35% avg. Sugarbeets planted 96%, 85% 1991, 81% avg. Potatoes planted 11%, 13% 1991, 12% avg. Onions planted 99%, 99% 1991, 88% avg. Lentils planted 78%, 5% 1991, 22% avg. Dry peas planted 76%, 13% 1991, 29% avg. Irrigation water supplies 16% very poor, 24% poor, 29% fair, 31% good. Activities: weed control, fertilizing, seeding spring crops. Pasture, range condition 78% of normal. Hay, roughage supplies mostly adequate. Calving 93% complete. Lambing 95% complete. Livestock reported in good condition.

**ILLINOIS:** State experienced warm weather accompanied by numerous showers, thunderstorms throughout the week. Temperatures 40 to 80° with average temperatures of 47 to 67° across the State. Precipitation 1.00 in. to as much as 3.00 in. in some locations. Flooding was especially noted in central sections of State.

Winter wheat 25% good, 40% fair, 17% poor, 18% very poor. Alfalfa 38% good, 54% fair, 8% poor. Soil moisture was mostly adequate.

**INDIANA:** Temperatures 1 to 3° below normal north, 2 to 9° above normal central, south. Highs upper 50s north to 70s south. Lows, low 40s north to 50s south. Precipitation 0.80 to 3.50 in.

Days suitable for fieldwork 2.7. Topsoil 1% short, 58% adequate, 41% surplus. Subsoil 26% short, 63% adequate, 11% surplus. Spring cropland 76% tilled, 70% 1991, 76% avg. Wheat 6 in. high, 9 in. 1991, 8 in. avg. Wheat 27% jointed, 27% 1991, 27% avg. Oats 66% seeded, 55% 1991, 61% avg. Clover 76% seeded, 73% 1991, 76% avg. Hay, roughage 14% very short, 45% short, 39% adequate, 2% surplus. Pasture 3% poor, 90% fair, 7% good. Warmer temperatures improved pasture conditions.

**IOWA:** Temperatures 2° below normal northwest, 3° above southeast. Extremes 34°; 85°. Precipitation 0.41 in to 4.76 in; state average 1.77 in more than twice the weekly normal.

Days suitable for fieldwork 3.1. Topsoil 2% short, 73% adequate, 25% surplus. Subsoil 1% short, 87% adequate, 12% surplus. Winter wheat 6% very poor, 24% poor, 42% fair, 25% good, 3% excellent. Pasture condition 86% of normal. Oat 85% sown, 71% 1991, 77% avg. Oats 20% emerged, 15% 1991, 15% avg. Corn 3% planted, 1% 1991, 1% avg. Seedbed preparation 65% completed, 60% 1991, 66% avg. Fertilizer application 70% completed, 58% 1991, 65% avg. Livestock were in mostly good condition.

**KANSAS:** No weather data available.

Days suitable for fieldwork 5.0. Topsoil 37% short, 54% adequate, 9% surplus. Subsurface moisture 38% short, 62% adequate. Wheat continues develop ahead of schedule. Short

moisture stressing dryland stands southwest, west central, south central. Insects, diseases present but not at treatment levels. Corn planting good progress. No stands emerged yet. Some sorghum planted southeast. Most pasture burning complete; good regrowth noted. Ranges, pastures furnish increased amounts roughage requirements. Alfalfa weevils causing problems scattered localities.

**KENTUCKY:** High temperatures upper 70s north, mid 80s south. Low temperatures 30s. Temperatures 6 to 12° above normal. Rainfall 0.50 in. below normal. Far west areas 1.25 in., slightly above normal, southeast 0.10 to 0.30 in.

Days suitable for fieldwork 4.8. Fieldwork 1 day behind normal. Soil moisture 47% short, 49% adequate, 4% surplus. Tobacco plants up 71% seeded beds, 72% 1991, 67% avg. Plants vary, almost ready to set to just sowing. Condition plant beds 2% very poor, 7% poor, 48% fair, 41% good, 2% excellent. Farmers far western Ky have over 50% corn planted. Wheat recovering from previous freezes. Wheat 9% poor, 26% fair, 58% good, 7% excellent. Barley crop 1% very poor, 1% poor, 58% fair, 39% good, 1% excellent. Alfalfa damaged by previous freezes. Hay harvest later than normal. Over two thirds alfalfa has some alfalfa weevil. Pasture condition 83% normal.

**LOUISIANA:** Weather data not available.

Days suitable for fieldwork 5.3. Soil moisture 14% short, 71% adequate, 15% surplus. Corn 63% fair, 37% good; 93% planted, 94% 1991, 80% avg.; 77% emerged, 87% 1991, 61% avg. Rice 43% emerged, 36% 1991, 32% avg. Top dressing, weed control, active, southwest. Hay 3% first cutting, 3% 1991, 2% avg. Spring plowing 79% complete, 67% 1991, 66% avg. Sorghum 10% emerged, 40% 1991, 15% avg. Sugarcane 19% fair, 81% good. Fertilizing, herbicide spraying, active. Sweet potatoes 0% planted, 4% 1991, 3% avg. Wheat 6% poor, 36% fair, 58% good; 91% headed, 79% 1991, 80% avg; 5% turning color, 7% 1991, 4% avg. Livestock 22% fair, 76% good, 2% excellent. Pasture 3% very poor, 6% fair, 90% good, 1% excellent. Fertilizing, active. Vegetables, 3% poor, 46% fair, 51% good. Strawberry, crawfish harvesting, active.

**MARYLAND & DELAWARE:** **MARYLAND:** Precipitation 0.13 in. Temperature 56.5°, normal 54.4°. Extremes 23°; 85°.

Days suitable for fieldwork 5.8. Topsoil 53% short, 47% adequate. Subsoil 32% short, 68% adequate. Potatoes 54% planted, 56% 1991, 78% avg. Green peas 66% planted, 73% 1991, 84% avg. Potatoes 54% planted, 56% 1991, 78% avg. Spring oats 55% planted, 64% 1991, 76% avg. Field preparation 40%, 57% 1991, 58% avg. Small grains mostly good condition, barley beginning to head. Pastures in fair condition except western counties very poor to poor due to late cold weather. Hay demand high, short to adequate supply. Peaches 43%, apples 30%, strawberries 16% blooming. Activities: Beginning to plant corn, sweet corn, melons, snap beans; tobacco, sweet potato beds mostly planted; tune-up & repair machinery; preparing to apply N to small grain; marketing, caring for livestock.

**DELAWARE:** Precipitation 0.11 in. Temperature 53.3°, normal 54.4°. Extremes 32°; 84°.

Days suitable for fieldwork 5.9. Topsoil 33% short, 56% adequate, 11% surplus. Subsoil 78%

short, 22% adequate. Green peas 72% planted, 60% 1991, 55% avg. Field preparation 74%, 40% 1991, 36% avg. Spring oats 83% planted, 43% 1991, 9% avg. Potatoes 72% planted, 78% 1991, 71% avg. Green peas 72% planted, 60% 1991, 55% avg. Small grains good condition, none heading. Pastures in mostly excellent condition. Hay demand strong. Peaches 64% and apples 36% blooming. Activities: Planting green peas, spring oats; planting corn, sweet corn; beginning to plant melons, snap beans; preparing to apply N to small grain; marketing, caring for livestock.

**MICHIGAN:** Temperatures 5 to 10° below normal. Extremes -1°; 79°. Precipitation none to 2.34 in. across the State. Cool temperatures, rain were the trends in States weather last week.

Most fields are too wet, muddy to start spring planting. Livestock are doing well. Feed supplies are good in most areas. Pastures are beginning to turn green. Deer are grazing on new growth in the fields. Major activities included: getting seeds, chemicals, fertilizer; keeping out of the mud; catching up on odd jobs; waiting for a chance to start planting.

**MINNESOTA:** Temperatures 10° above normal to 50° below normal. Extremes 10°; 68°. Precipitation 0.43 to 1.61 in. for the State, near normal to 1.00 in. above normal. Precipitation extremes 2.25 in. at Rochester; 0.25 in. at Pipestone.

Days suitable for fieldwork 1.3. Topsoil 1% very short, 8% short, 67% adequate, 24% surplus. Subsoil 3% very short, 16% short, 68% adequate, 13% surplus. Spring wheat 23% planted, 26% 1991, 26% avg. Oats 25% seeded, 18% 1991, 37% avg. Barley 16% seeded, 23% 1991, 18% avg. Corn 10% ground prepared, 3% 1991, 13% avg. Soybean 4% ground prepared, 1% 1991, 6% avg. Sugarbeets 3% planted, 1% 1991, 13% avg. Potatoes 1% planted, 0% 1991, 1% avg. Green peas 18% planted, 11% 1991, 19% avg. Fall seeded small grains 36% dormant, 11% poor, 50% good, 3% excellent. Winter freeze damage; alfalfa 18% none, 56% light, 20% moderate, 6% severe; winter wheat 32% none, 48% light, 17% moderate, 3% severe; rye 42% none, 46% light, 10% moderate, 2% severe.

**MISSISSIPPI:** Weather data not available.

Days suitable for fieldwork 5.6, 0.7 1991, 2.9 avg. Soil moisture 7% very short, 38% short, 55% adequate. Corn 72% planted, 58% 1991, 50% avg.; 41% emerged, 50% 1991, 36% avg.; 33% fair, 65% good, 2% excellent. Cotton 6% planted, 6% 1991, 4% avg.; 1% emerged, 3% 1991, 2% avg. Peanuts 8% planted, 14% 1991, 8% avg. Rice 38% planted, 12% 1991, 18% avg.; 16% emerged, 8% 1991, 4% avg. Sorghum 26% planted, 30% 1991, 20% avg.; 6% emerged, 26% 1991, 10% avg. Sweet potatoes 4% planted, 5% 1991, 8% avg. Watermelons 55% planted, 65% 1991, 47% avg. Wheat 95% jointing, 91% 1991, 96% avg.; 50% heading, 61% 1991, 52% avg.; 44% fair, 56% good. Peaches 17% very poor, 38% poor, 35% fair, 10% good. Livestock 22% fair, 74% good, 4% excellent. Pasture 89% of normal. Activities: Planting corn, preparing land for cotton.

**MISSOURI:** Temperatures 5° above normal. Precipitation 2.06 in. with rainfall by area ranging from 1.50 in. northwestern, west central, central districts to over 3.00 in. south central. Several scattered, mostly southern counties received over 4.00 in.

Days suitable for fieldwork 3.5. Topsoil 22% short, 65% adequate, 13% surplus. Ground worked

at least once for spring crops 73%, 76% 1991, 65% avg. Oats sown 87%, 87% 1991, 84% avg. Corn planting ranges 10% northwestern, north central districts to 80% southeast. Sorghum planting 11% southeast, virtually none elsewhere. Wheat condition lowest north central, northeastern districts where majority poor to very poor. Very little wheat west central, southern districts in poor condition. Pasture 1% very poor, 16% poor, 54% fair, 29% good.

**MONTANA:** Temperatures 6 to 8° above normal west, 1° below to 5° above normal east. Precipitation fell statewide, eastern third receiving 1.00 in. or more.

Days suitable for fieldwork 5.8. Topsoil 56% short, 42% adequate, 2% surplus. Subsoil 53% short, 45% adequate, 2% surplus. Oats planted 36%, 18% 1991, 21% avg. Sugarbeets planted 50%, 50% 1991, 35% avg. Barley planted 54%, 31% 1991, 29% avg. Calving 85% complete, lambing 69% complete. Pasture, range growth rate 22% slow, 57% average, 21% above average.

**NEBRASKA:** Temperatures 3° above normal except extreme northeast where temperatures were a little below normal. Precipitation none in the southwest to 0.63 in. north central.

Days suitable for fieldwork 5.4. Topsoil 14% short, 83% adequate, 3% surplus. Subsoil 20% short, 78% adequate, 2% surplus. Wheat 5% very poor, 16% poor, 47% fair, 32% good; wheat jointed 18%, 5% 1991, 4% avg. Oats sown 90%, 85% 1991, 80% avg. Corn planted 3%, 2% 1991, 3% avg. Pasture, range 87% of normal. Spring calving 88% complete.

**NEVADA:** Weak low pressure brought widely scattered showers northern areas first of week. Strong cold front 17th created strong, gusty winds statewide, but little precipitation. Precipitation less than 0.10 in. north, none falling in south. Temperatures 5 to 10° above normal. Extremes 20°; 90°.

Planting spring crops continues. Irrigation water from surface sources remains very short. Calving, lambing about 75% complete. Shearing of range flocks continues. Cattle, sheep movement to spring, summer ranges underway.

**NEW ENGLAND:** Precipitation none to 0.10 in. northern Maine, 0.20 to 1.05 in. elsewhere north; 0.95 to 2.05 in. south. Temperatures low to mid 30s north, mid 30s to low 40s south. Maximum temperatures mid 40s north to high 50s south; minimum temperatures 7° north to low 30s south.

Major farm activities: General repairs, maintenance, tending livestock, moving crops from storage. Maple sugaring continued throughout the region.

**NEW JERSEY:** Temperatures much below normal. Extremes 21°; 81°. Rainfall 0.86 in. north, 0.82 in. central; 0.60 in. south. Heaviest 24 hour total 0.57 in. on 17th, 18th. Estimated soil moisture, in percent field capacity, averaged 100% north, 93% central, 88% south. Four inch soil temperatures averaged 44° north, 46° central, 49° south.

Field preparation, planting continued active where soil conditions permitted. Cool, damp weather continued to delay plant growth. Light harvest of spring greens. Planting of lettuce, sweet corn, cabbage, endive, escarole continued. Tomato transplanting began. Some

asparagus cut. Peaches approached full bloom. Apple bud development advanced. Wintered over rye, wheat, pastures greened; made much growth. Potato planting neared completion.

**NEW MEXICO:** Despite a late-week cold front, average weekly temperatures remained nearly 4 to 6° above normal for most sections of the State. The northeastern plains had readings 8 to 10° above normal. Scattered to numerous showers, a few heavy thunderstorms were reported throughout the week.

Days suitable for fieldwork 6.3. Soil moisture 23% short, 77% adequate. Light hail and wind damage reported in south, northeastern portions of State. Light to moderate freeze damage in isolated areas across the State. Crop conditions: Alfalfa, 35% fair, 61% good, 4% excellent with first cutting active. Irrigated wheat, 20% fair, 80% good, dryland wheat 11% poor, 33% fair, 56% good. Percent of wheat crop heading is 15%. Chile 20% fair, 80% good. Onions, lettuce both in good condition. Cattle fair to good; sheep poor to good. Range condition 91% of normal.

**NEW YORK:** Temperatures below normal. Extremes 11°; 58°. Precipitation below normal from St. Lawrence Valley to northern Champlain Valley with amounts less than 0.50 in.; elsewhere above normal. Extreme 3.29 in. at Boonville. Some snow fell on 15th with isolated amounts of 3 to 5 in. in some northern places.

Days suitable for fieldwork 2.3. Soil moisture mostly adequate to surplus. Late spring has slowed plowing, planting, fertilizing. Many areas still report frost. Pasture condition 76% of normal. Hay fair to good. Wheat mostly fair. Oat seeding delayed due to cold, wet soils. Maple sugaring season extended in northern areas. Tree fruits wintered well. Vineyards show adequate fruiting wood, no winter injury. Some vegetable planting, mostly onions on muck. Cold tolerant vegetables going in on upland soils. Major farm activities: Plowing, planting as weather permits; pruning, fertilizing, planting fruit trees; planting cold season vegetable crops; tending livestock; machinery preparation for spring plowing, planting.

**NORTH CAROLINA:** Temperatures above normal. Extremes 31°; 87°. Precipitation 0.02 to 1.86.

Days suitable for fieldwork 5.8. Soil moisture 1% very short, 33% short, 66% adequate. Crop condition: Wheat 1% poor, 9% fair, 86% good, 4% excellent; Oats 11% fair, 88% good, 1% excellent; Barley 10% fair, 87% good, 3% excellent; Rye 9% fair, 90% good, 1% excellent; Pasture 29% fair, 70% good, 1% excellent; Tobacco Plant Beds 1% poor, 14% fair, 82% good, 3% excellent; Irish Potatoes 3% poor, 31% fair, 66% good; Peaches 7% very poor, 38% poor, 38% fair, 17% good; Truck Crops 2% poor, 26% fair, 72% good. Corn Planted 54%, 51% 1991, 36% avg.; Cotton Planted 1%, 7% 1991, 6% avg.; Flue cured tobacco transplanted 9%, 16% 1991, 11% avg. Wheat headed 10%, 27% 1991, 18% avg. Tobacco plant bed supplies 100% adequate. Hay, roughage supplies 3% short, 93% adequate, 4% surplus. Livestock feed from pastures 56%. Major activities: Land preparation; planting corn; transplanting flue cured tobacco. Other activities: Tending tobacco beds; topdressing, spraying small grains; fertilizing pastures; planting cotton, truck crops; tending livestock; transplanting Christmas trees; equipment repair; general farm maintenance.

**NORTH DAKOTA:** Much of the State was cool with scattered precipitation. Temperatures 5° below normal northeast to 1° above normal northwest. Extremes 3° northeast; 72° northwest, west central. Precipitation 0.07 in. northeast, central to 0.49 in. northwest.

Days suitable for fieldwork 3.4. Topsoil 22% short, 73% adequate, 5% surplus. Subsoil 6% very short, 41% short, 53% adequate. Planting progress of most crops about average. Hard red spring wheat 15% planted, 25% 1991, 15% avg.; durum wheat 3%, 9% 1991, 6% avg.; oats 15%, 15% 1991, 12% avg.; barley 10%, 28% 1991, 14% avg.; sugarbeets 4%, 5% 1991, 14% avg. Winter wheat 9% poor, 57% fair, 34% good; 30% dormant, 70% green. Livestock condition mostly good; calving 83% complete, lambing 86%, shearing 91%. Nearly all range livestock received supplemental feed. Pastures 81% dormant. Stockwater supplies 2% very short, 16% short, 82% adequate.

**OHIO:** Temperatures normal in the northwest to 9° above normal in the south. Lows mostly in the 40s to 50s. Southern areas had some days of 80°. Most places received at least 1.00 in. of rainfall. Parts of the southeast however, reported 0.50 in. or less. Bare soil temperatures at the 4 in. depth: 60° maximum to 40° minimum. Temperatures under grass a few degrees cooler.

State received several days of sunshine which improved wheat condition slightly. However, more than normal number of fields are being destroyed due to poor stands. Several acres of alfalfa are being replanted due to poor germination last fall. Corn planting came to abrupt stop by weekend due to heavy rains. Despite recent rains subsoil moisture is still a major concern throughout the State.

**OKLAHOMA:** Temperatures 4° above normal southwest to 9° above normal southeast, east central. Precipitation 0.57 in. Panhandle to 3.11 in. central.

Days suitable for fieldwork 6.0. Topsoil 42% short, 56% adequate, 2% surplus. Subsoil 26% short, 74% adequate. Wheat 47% fair, 53% good; 98% jointing, 92% 1991, 84% avg.; 45% heading, 42% 1991, 21% avg. Corn 32% planted, 42% 1991, 33% avg.; 10% emerged, 11% 1991, 16% avg. Crop insect activity light to moderate. Cattle condition good; marketings average; prices mostly lower.

**OREGON:** Temperatures 7° above normal western locations; 4° above normal east of the Cascades. Precipitation heavy statewide; 4.30 in. coast, northern Cascades 3.70 in., High Plateau 4.40 in., western areas 1.50 to 2.00, eastern areas 0.50 in.

Soil moisture 28% short, 66% adequate, 6% surplus. Winter wheat 5% poor, 19% fair, 58% good, 18% excellent. Barley 77% planted. Small grain seeding completed or nearly complete; field cultivation ahead of normal. Physiological leaf spot reported, winter wheat. Frost damaged many fruit, nut blossoms, east of Cascades. Apricot, cherry blossoms damaged by frost, Blue Mountain Valleys. Cherry, walnut frost damage reported, Jackson County. Hood River Valley used frost protection measures 19th. Anjou pears full bloom upper Hood River Valley. Sprays for scab, blight, spider mites applied, Medford. Heavy rains have slowed fruit pollination, Willamette Valley. Onions planting continued,

statewide; early sweet corn planting continued, western areas; some early potato planting underway, statewide. Livestock condition good; moving to spring pastures. Stock water continues to be short, eastern areas. Statewide pasture, range 87% of normal.

**PENNSYLVANIA:** Above average temperatures prevailed. Precipitation was slightly above normal. Temperature 50°, 4° above normal. Extremes 18°; 79°. Precipitation 0.85 in., 0.03 in. above normal.

Days suitable for fieldwork 5. Soil moisture 22% short, 78% adequate, none surplus. Plowing 40% complete, 46% 1991, 40% avg. Corn 0% planted, 1% 1991, 2% avg. Oats 35% planted, 46% 1991, 43% avg. Potatoes 12% planted, 24% 1991, 22% avg. Tobacco beds 75% planted, 62% 1991, 70% avg. Barley 98% pre-boot, 97% 1991, 98% avg.; 2% boot, 3% 1991, 2% avg. Wheat 99% pre-boot, 99% 1991, 99% avg.; 1% boot, 1% 1991, 1% avg. Wheat crop condition 2% very poor, 7% poor, 23% fair, 59% good, 9% excellent. Hay stands mostly fair to good. Alfalfa first cutting 0% complete, 0% 1991, 0% avg. Feed from pastures 25% very poor, 21% poor, 40% fair, 14% good. Peaches 87% pre-pink, 41% 1991, 61% avg.; 13% pink, 32% 1991, 23% avg.; 0% full bloom or past, 27% 1991, 16% avg. Cherries 89% pre-pink, 46% 1991, 66% avg.; 11% pink, 34% 1991, 23% avg.; 0% full bloom or past, 20% 1991, 11% avg. Apples 94% pre-pink, 73% 1991, 85% avg.; 6% pink, 23% 1991, 14% avg.; 0% full bloom or past, 4% 1991, 1% avg. Activities: Spring plowing; planting crops; planting tobacco beds; repairing fence; hauling manure; spreading fertilizer; maintaining machinery; caring for livestock.

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

**SOUTH CAROLINA:** Temperatures across the State 2 to 6° above normal. Rainfall 0.30 in. statewide.

Days suitable for fieldwork 6.2. Soil moisture 5% very short, 54% short, 41% adequate. Tobacco fair to good; 40% planted, 63% 1991, 50% avg. Corn fair to good; 86% planted, 78% 1991, 78% avg. Watermelons fair; 76% planted, 78% 1991, 75% avg. Cantaloupes fair to good; 57% planted, 65% 1991, 60% avg. Tomatoes fair to good; 88% planted, 88% 1991, 91% avg. Cucumbers fair to good; 61% planted, 66% 1991, 68% avg. Snap beans fair to good; 42% planted, 49% 1991, 50% avg. Oats fair to good; 33% headed, 49% 1991, 45% avg. Wheat fair to good; 24% headed, 50% 1991, 41% avg. Rye fair to good; 5% turning color, 3% 1991, 0% avg. Grain hay fair to good; 7% harvested, 8% 1991, 6% avg. Pastures fair to good. Some disease, cereal leaf beetle damage in small grains.

**SOUTH DAKOTA:** Temperatures normal to 5° below normal east of the Missouri River; normal to 5° above normal west of the river last week. Extremes 13°; 86°. Precipitation, light showers across the State turning to snow in some areas, with substantial amounts reported. The largest amounts were widely dispersed. Maximum 2.65 in.

Days suitable for fieldwork 4.6. Topsoil 7% critical, 40% short, 51% adequate, 2% surplus. Subsoil 14% critical, 35% short, 50% adequate, 1% surplus. Rye 1% very poor, 9% poor, 21% fair, 56% good, 13% excellent. Small grain seeding is ahead of normal. Winter wheat winterkill averaged 32% across the State. The winterkill, poor conditions are being reported in some areas as a result of dry planting conditions. Livestock 3%

fair, 78% good, 19% excellent. Pasture 81% of normal, as many reporters noted very little growth due to cool, dry conditions. Cows calved, 69%. Sheep lambed, 80%.

**TENNESSEE:** Warm, dry conditions prevailed. Precipitation light and scattered. Below normal precipitation prevailed Statewide. Warmest areas were west, middle. High temperatures were mainly in the 80s. Lows averaged from the mid 40s east to mid 50s west.

Days suitable for fieldwork 5.0. Soil moisture 20% short, 79% adequate, 1% surplus. Corn 42% planted, 10% 1991, 21% avg. Tobacco 83% plants up, 78% 1991, 84% avg. Cotton 1% planted, 1% 1991, 1% avg. Wheat 73% jointed, 74% 1991, 82% avg.; 3% headed, 8% 1991, 9% avg. Livestock rated mostly good.

**TEXAS:** Heaviest rains took place over Southern, Eastern Texas this past weekend. Vigorous system sent disturbances through unstable air that built up over the State. Heavy downpours occurred over Southwest Texas through Upper Coastal. Cooler air focused rain over south central, eastern areas. Largest concentration of rainfall occurred in central portion of State as cold front edged its way eastward. Greatest departures occurred in South Central, Southern, Upper Coastal growing areas. Only part of State with deficiency of rain from normal for the week was the north central area.

**Crops:** Small grain fields improved with scattered showers and warm temperatures. Most fields approaching late joint to early boot stage. Some fields continued to head. Many fields plagued by lead rust and insect damage. Dryland wheat fields on the Plains need additional rain to promote good growth. Statewide wheat condition 85% normal compared with 58% 1991. Corn planting progressed rapidly in the High Plains. Cultivating and fertilizing on emerged fields in the Blacklands and South Texas. Stands on emerged fields excellent. Some problems reported with cutworms in the Blacklands. Statewide corn condition 88% normal compared with 87% 1991. Grain sorghum planting full swing in the Blacklands, Central Texas. Planting nearing completion in the Coastal Bend. Fields in Hill Country germinating, looking good. Also cultivating, fertilizing on some fields. Yellow sugarcane aphids caused some minor damage. Statewide sorghum condition rated 79% normal compared with 81% 1991. Cotton planting active in South Texas, Blacklands. Some early planted fields emerged. Preplanting preparations continued on the Plains although additional moisture would help. Rice planting increased along the Upper Coast, Central Texas. Early planted fields emerged.

**Commercial Vegetables:** Rio Grande Valley, onion harvest continued. Tomatoes, peppers have minor insect problems. Melons progressing well. High Plains, onion, potato planting continued. Onion sets progressing well and potatoes emerging. Trans Pecos, chile planting continued. Onions, melons progressing. East Texas, planting continued with good weather conditions. Peach crop looks great. Most trees excellent fruit set. Producers thinning, spraying due to heavy fruit set.

**Range and Livestock:** Range, pasture conditions improved as grasses fertilized. Grasses provide good forage. Some small grain fields cut for hay. Sheep shearing began.

**UTAH:** Temperature maximums 10° above normal, minimums 12° above normal. Light precipitation occurred in all regions except Dixie, where none was reported.

Days suitable for fieldwork 6.6. Soil moisture 64% short, 36% adequate. Spring wheat planted 98%, 83% 1991. Spring wheat 42% emerged. Barley planted 93%, 82% 1991. Barley emerged 45%, 37% 1991. Oats planted 65%, 59% 1991. Oats emerged 32%, 23% 1991. Winter wheat 80% good, 20% adequate. Winter wheat height 6.9 in. Corn planted 15%, 4% 1991. Alfalfa height 7.5 in., 3.2 in. 1991. Tart cherries 95% full bloom, peaches 83% full bloom, apples 71% full bloom. Calving 88% complete. Lambing in farm, range flocks 92%, 46% respectively. Farm flocks sheared 87%, range flocks sheared 68%. Range, pasture 83% normal.

**VIRGINIA:** Temperatures 15° above normal the first, last of the week. Temperatures 8 to 11° below normal the middle of the week. Extremes 28°; 90°. Scattered showers, thunderstorms over the State.

Days suitable for fieldwork 5.7. Topsoil 54% short, 46% adequate. Pastures 13% poor, 50% fair, 34% good, 3% excellent. Alfalfa 15% poor, 59% fair, 26% good. Barley 3% poor, 65% fair, 32% good. Wheat 3% poor, 37% fair, 57% good, 3% excellent. Apples, peaches good. Tobacco planted 69% fair, 31% good. Some cool nights affecting tobacco plants. Other hay 14% poor, 62% fair, 24% good. Corn 25% planted, 25% 1991, 16% avg. Corn 34% fair, 66% good. Planting snap beans, cucumbers, tomatoes, tending tobacco plantbeds, fertilizing, liming fields, planting corn.

**WASHINGTON:** Temperatures 2 to 7° above normal west; 1° below to 5° above normal east. Precipitation 1.16 to 3.59 in. west; 0.23 to 1.33 in. east.

Days suitable for fieldwork 3.9. Soil moisture 13% short, 86% adequate, 1% surplus. Hay, other roughage 4% short, 86% adequate, 10% surplus. Range, pasture 45% fair, 55% good. Winter wheat 40% fair, 60% good. Winter barley 9% fair, 91% good. Potatoes 40% planted, 38% 1991, 41% avg. Spring wheat 96% planted, 80% 1991, 81% avg.; 84% emerged, 51% 1991, 56% avg. Spring barley 97% planted, 70% 1991, 69% avg.; 75% emerged, 31% 1991, 40% avg. Dry peas 85% planted, 44% 1991, 48% avg. Weekly showers replenish soil moisture; hinder fieldwork. Rains timely, help establish good spring crop stands. Fruit trees thinned; spreading, training underway. Apple petals falling Grant county. Pea planting, asparagus cutting slowed due to rain. Range, pasture growth enhanced by precipitation. Calving, lambing nearly complete.

**WEST VIRGINIA:** Temperature 58°. Extremes 23°; 85°. Precipitation 0.56 in.

Days suitable for fieldwork 4.3, Soil moisture 25% short, 65% adequate, 10% surplus. Tobacco beds good. 54% planted, 18% emerged. Garden good, 15% planted, 3% emerged. Wheat good. Barley good. Corn 48% planted, 15% emerged. Oats 20% planted, 8% emerged. Hay 7% very poor, 14% poor, 61% fair, 18% good. Apple fair. Peach fair. Pasture 20% very poor, 20% poor, 60% fair; 66% of normal. Hay feed supplies, adequate. Other feed supplies, adequate. Cattle 28% fair, 72% good. Sheep 11% fair, 87% good, 2% excellent. Cows calved, 87%. Sheep lambed, 90%. Farm activities: Maintenance, plowing, fencing, fertilizing, calving, working cattle, lambing.

**WISCONSIN:** Temperature 41°; 4° below normal. Extremes 1°; 72°. Precipitation 1.10 to 2.10 in.

Days suitable for fieldwork 0.6. Rainy weather, cool soil temperatures delayed fieldwork for yet another week. Some farmers in the south were able to get into fields early in the week, there is still snow in the northwest district. Soil moisture 52% adequate, 48% surplus. Intended spring tillage 10% complete, 10% 1991, 19% 5-yr avg. Oats 8% planted, 10% 1991, 21% avg. Early assessment of damage to winter wheat: 3% reported no damage, 4% with light damage, 17% with moderate damage, 76% reported severe damage. Alfalfa came through the winter with moderate to light damage. The northern districts are showing less damage than other areas.

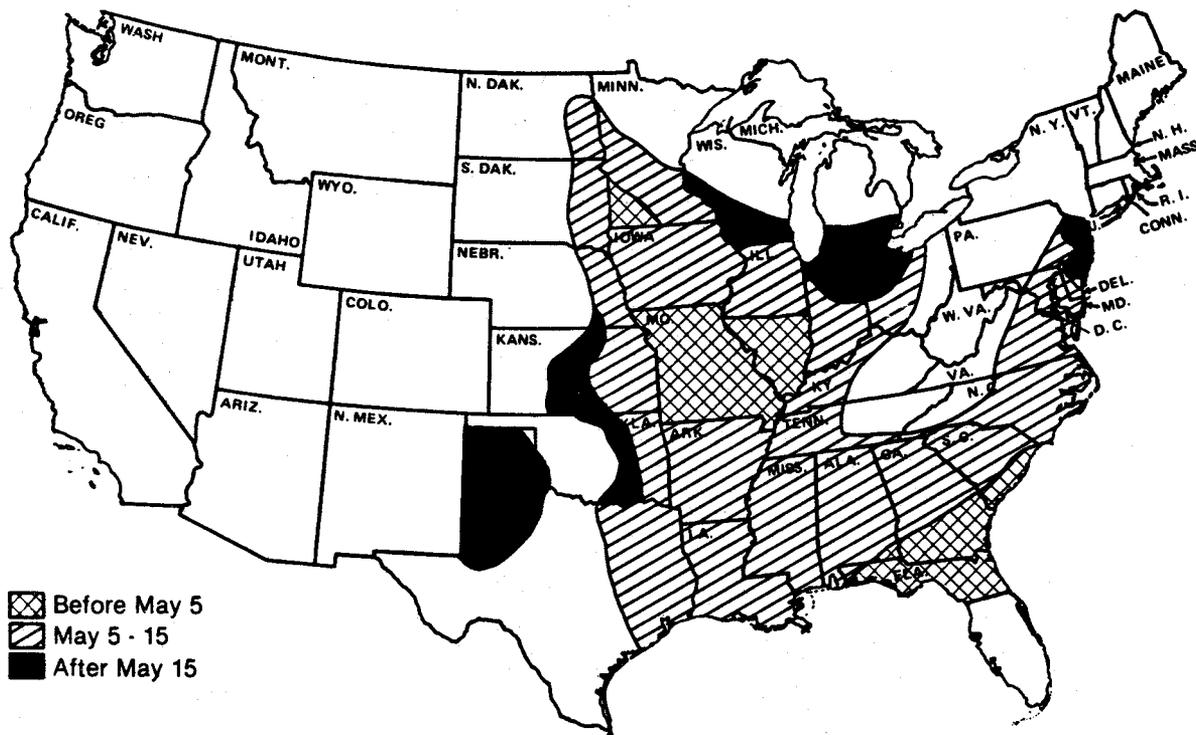
**WYOMING:** Warm across State, temperatures 1 to 13° above normal. Precipitation was near

normal in the southwest, northwest regions of the State. Elsewhere precipitation was well below normal.

Days suitable for fieldwork 5.7. Topsoil 60% short, 40% adequate. Spring wheat 54% planted, 42% 1991, 35% avg. Oats 36% planted, 38% 1991, 33% avg. Barley 75% planted, 70% 1991, 66% avg. Sugarbeets 59% planted, 59% 1991, 43% avg. Corn 4% planted, 1% 1991, 1% avg. Potatoes 25% planted, 21% 1991, 10% avg. Winter wheat 1% poor, 36% fair, 63% good. Light russian wheat aphid and grasshopper infestations in winter wheat. Heavy in isolated areas. Livestock condition good to excellent. Spring calves born 75%, 80% 1991, 77% avg. Farm flock ewes lambed 86%, 89% 1991, 85% avg.; shorn 82%, 77% 1991, 77% avg. Range flock ewes lambed 35%, 39% 1991, 42% avg.; shorn 62%, 57% 1991, 55% avg. Calf, lamb death losses light to normal. Ranges, pastures good to excellent.

### Soybeans for Beans

Usual Start of Planting, Principal Areas in the United States



-  Before May 5
-  May 5 - 15
-  After May 15

## International Weather and Crop Summary HIGHLIGHTS

April 12 - 18, 1992

**FORMER USSR:** Greening in winter grains advances further north. Spring fieldwork accelerates, helped by mostly dry weather.

**EUROPE:** Beneficial rain helps crops in the northwest and southeast. Dryness returns to the Iberian Peninsula.

**NORTHWESTERN AFRICA:** Dry weather returns to winter grain areas in Morocco and western Algeria. Showers benefit filling crops in eastern Algeria and Tunisia.

**SOUTH AFRICA:** Rain improves planting conditions in eastern winter wheat areas.

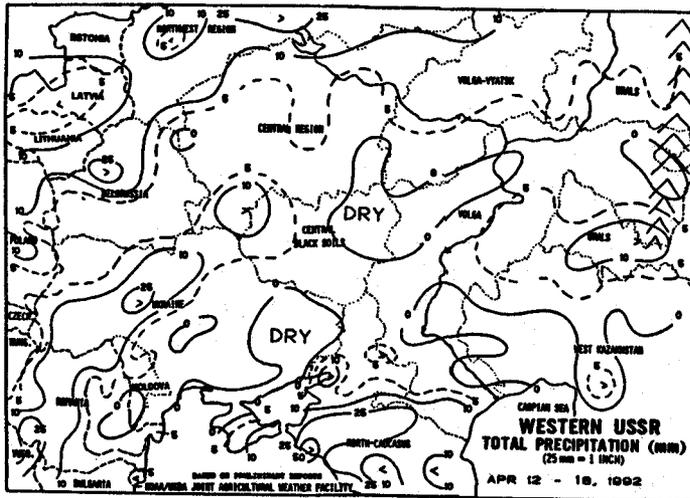
**SOUTH ASIA:** Widely scattered rain has no major impact on winter harvests.

**EASTERN ASIA:** Soil moisture continues to be depleted across the main wheat belt. Drier weather prevails across southern China, aiding drying of flooded fields.

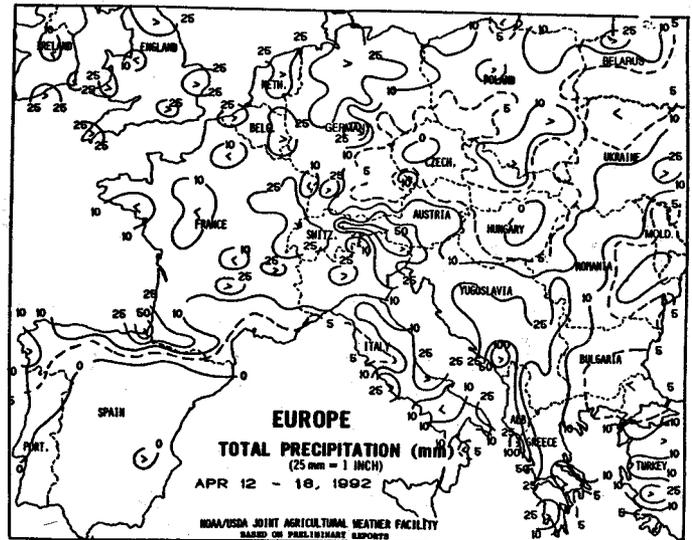
**SOUTHEAST ASIA:** Scattered showers develop over Indochina.

**AUSTRALIA:** Favorable harvest weather continues.

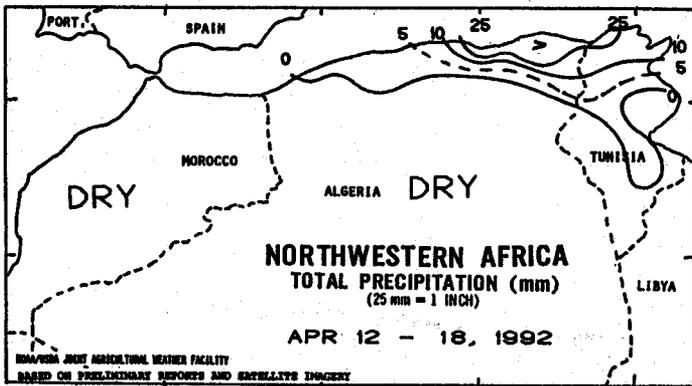
**SOUTH AMERICA:** Persistent heavy rains in southern Brazil cause soybean harvest delays, flooding and possible crop damage. Dryness aids summer crop harvesting across Argentina.



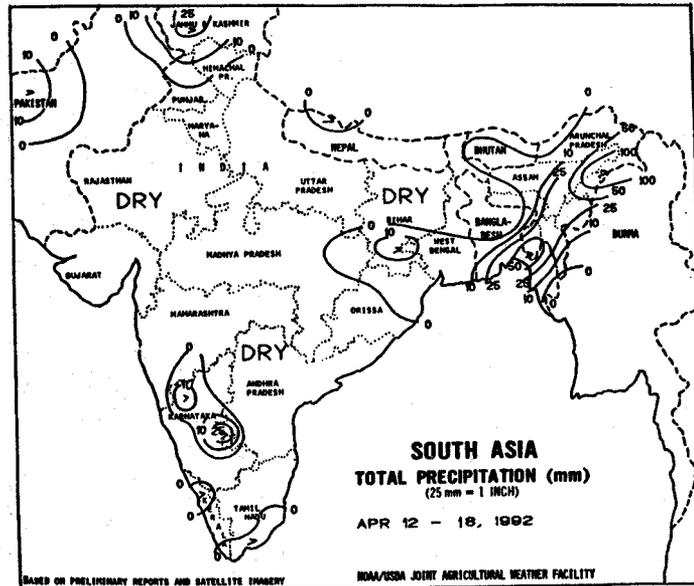
**FORMER USSR:** Little, if any, precipitation covered southern and eastern Ukraine, the northern tip of North Caucasus, lower Volga, and Black Soils Region, allowing spring grain sowing to progress without delay. Usually, the bulk of spring grains are planted during April in crop areas west of the Ural mountains. Planting begins in the south and progresses northward. Greatest amounts of moisture (10-25 mm) fell over crop areas in western Ukraine, southern North Caucasus, northwestern Belorus, and Northwest Region. Greening in winter grains advanced as far north as Belorus and Black Soils Region. Winter grains in western North Caucasus entered the jointing stage. Weekly average temperatures were 2-4 degrees Celsius (C) below normal in eastern Ukraine, North Caucasus, and lower Volga, and near normal over the remainder of the region.



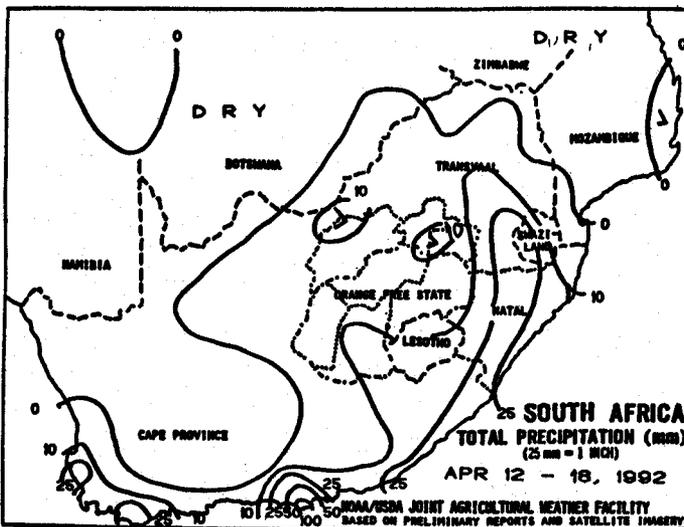
**EUROPE:** Periodic light rain benefited crop areas of the United Kingdom, France, the Benelux countries, Germany, and Italy's Po Valley. Weekly rainfall averaged 10-35 mm, promoting winter grain growth and early spring planting. Dry weather prevailed over most of the Iberian Peninsula, where moisture reserves are still low going into the summer dry season. Spring rains have brought some much needed topsoil moisture to the southwest, however. Light rain (less than 10 mm) covered much of the northeast, from Poland to Hungary. Eastern Hungary has been especially dry in March and early April. Beneficial rain fell this week in Romania and Greece, while locally heavy rain (50-100 mm) fell along the southern Adriatic region from southwestern Yugoslavia to northwestern Greece. The rainfall was especially helpful to crops in Greece, which has also experienced winter dryness.



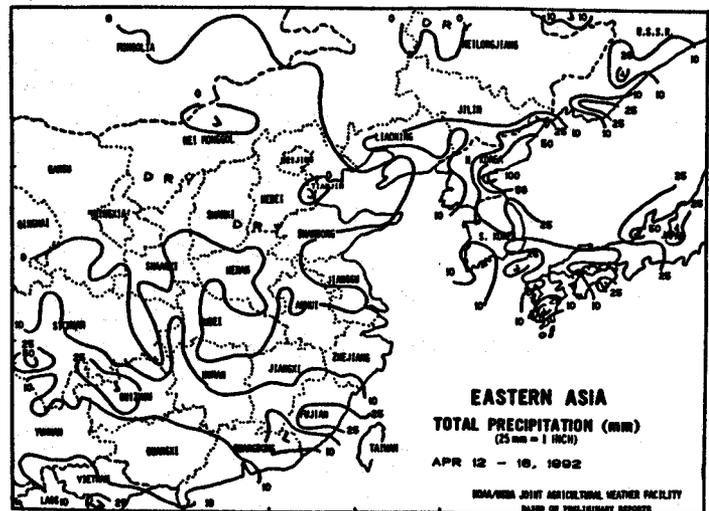
**NORTHWESTERN AFRICA:** Winter grains ranged from maturing to filling over the region. Dry weather returned to winter grain areas in Morocco and western Algeria, following 3 weeks of beneficial rain. Light to moderate rain (7-42 mm) prevailed over crop areas in eastern Algeria and Tunisia. Those winter grains still in the filling stage would benefit from additional moisture. Weekly average temperatures were 2-7 degrees C below normal in Algeria and Tunisia and 1-3 degrees C above normal in Morocco.



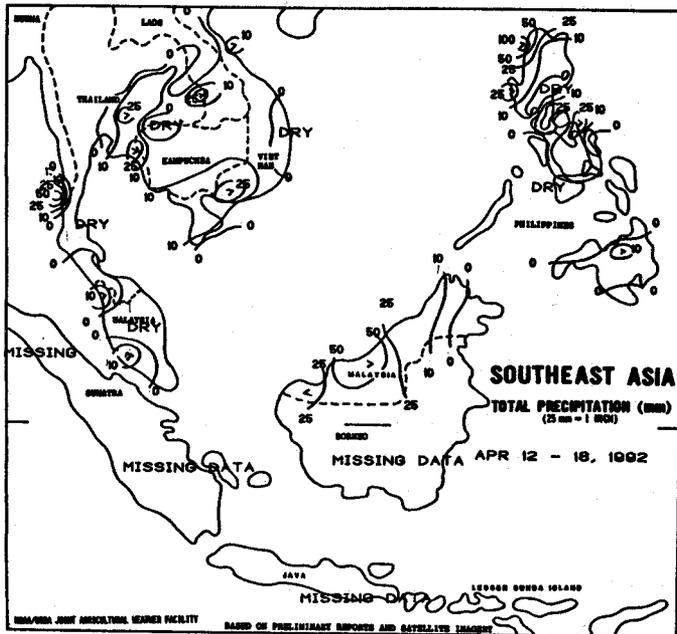
**SOUTH ASIA:** Rainfall was widely scattered across the region, having no major impact on winter grain and oilseed harvests. A band of light to moderate showers (10-50 mm, with isolated totals exceeding 100 mm) extended from southern Bangladesh through India's eastern states, boosting early irrigation reserves for rice planting. Temperatures continued above normal in central and southern India, with stressful high temperatures (40-43 degrees C) common from Andhra Pradesh to Bihar.



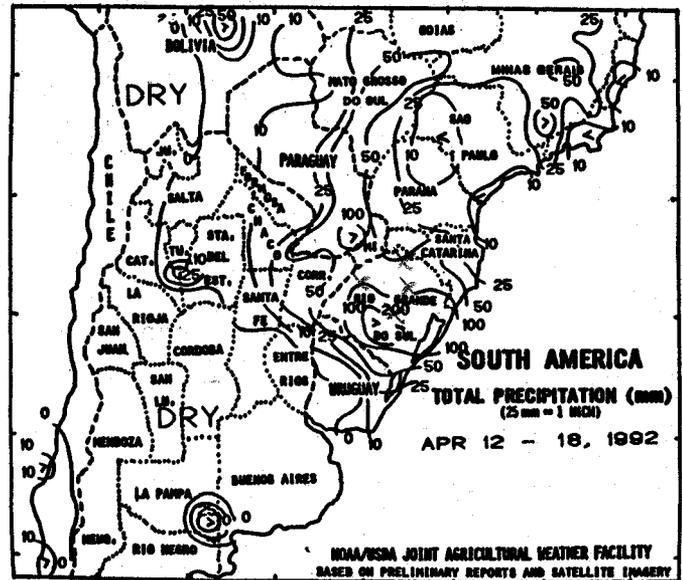
**SOUTH AFRICA:** Light to moderate rain (10-38 mm) from eastern Cape Province to south-central Transvaal improved topsoil moisture for winter wheat planting. Showers in southern Cape Province were highly variable (10-116 mm) and limited to coastal areas. Temperatures continued 2-4 degrees C above normal in primary corn areas, enhancing crop drydown.



**EASTERN ASIA:** Little or no rain fell across the North China Plain, where developing to reproductive winter wheat is depleting soil moisture. Without significant moisture soon, wheat yield potentials will decline. Light rain (less than 10 mm) caused little delay in spring wheat planting across Manchuria and the northwest. Scattered rain (18-42 mm) fell over southern China, keeping irrigation supplies high. Guangdong finally received drier weather (6-12 mm) after many weeks of heavy rain. Weekly temperatures averaged 2-4 degrees C above normal across central China and near normal elsewhere.

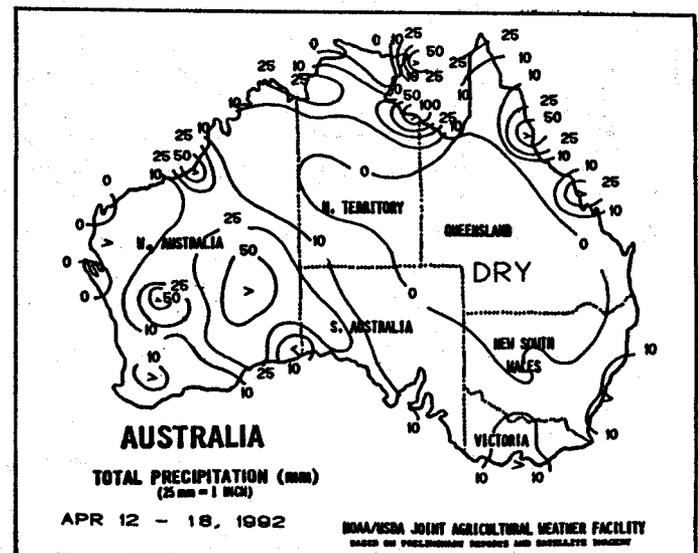


**SOUTHEAST ASIA:** Scattered showers moved into southern Indochina, with rainfall totaling 5-32 mm from eastern Thailand southward. However, unseasonably warm, dry conditions persisted in Thailand's western corn areas, threatening delays in next month's plantings. Further south, most data were missing from Malaysia and Indonesia, but satellite imagery depicted a decline in convective activity from recent weeks. Normally during April, seasonal drying in Indonesia and Malaysia and wetter conditions in Indochina are expected as the Intertropical Convergence Zone begins its northward trek. In the Philippines, scattered showers (5-50 mm or more) benefited crop regions of northern Luzon but rainfall was light elsewhere. Following drier-than-normal conditions since last fall, timely summer rains are needed across the Philippines for rice and corn planting, usually in full swing during May.



**SOUTH AMERICA:** Heavy rains (40-110 mm) continued across Rio Grande do Sul in southern Brazil, with isolated heavier amounts (over 200 mm) in the southern part of the state. The persistent rain has caused soybean harvest delays and flooding along with reduced seed quality and possible crop damage. Drier weather is needed to forego further delays and damage. Moderate to heavy showers (27-95 mm) fell across Mato Grosso do Sul, delaying soybean harvesting. Most of Parana and Sao Paulo received only light rain (less than 10 mm), causing only minor summer crop harvest delays. Dry conditions continued across central Argentina, favoring soybean, corn, and sunflower harvesting. Light to moderate rain (10-29 mm) fell across the north, delaying cotton harvesting. Weekly temperatures averaged near normal across the crop areas of Brazil and central Argentina.

**AUSTRALIA:** Dry conditions prevailed across eastern Australia favoring summer crop harvesting. Scattered light to moderate showers (33-82 mm) fell across the major northeastern sugarcane region. The current wet season, which is just now ending across northern and northeastern Australia, has been drier than normal, reducing sugarcane yield potentials. Moderate showers (25-75 mm) recharged soil moisture across portions of the western wheat areas. Weekly temperatures averaged 1-2 degrees C above normal across the eastern crop areas.



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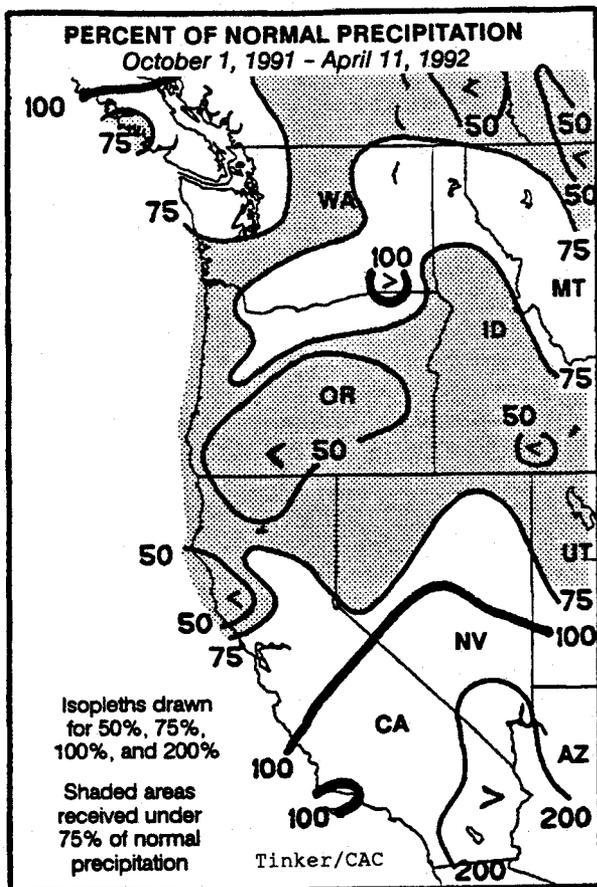
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## Western U.S. Rainy Season Summary

Drier-than-normal weather has prevailed across the Northwest since October 1, 1991, heightening moisture concerns for the summer. In Oregon, 22 of 36 counties, including all of those east of the Cascades, have declared drought emergencies, as the State's 27 major irrigation reservoirs dropped to a cumulative level of 53 percent of normal by the end of March. Similar conditions exist in central and southern Idaho, where reservoir storage is less than 50 percent of normal. Northern California has fared only slightly better. Wet season precipitation in the Sierra Nevada has averaged about three-fourths of normal.

In contrast, the Southwest has been much wetter than normal since October 1, 1991. Stormy periods in late December, early January, February, and March pushed rainfall to more than twice normal in southern sections of California, Nevada, and Arizona.

Rainfall in the Northwest during the past 2 weeks has moistened topsoils and provided short-term relief, but long-term drought continues throughout most of the region. Looking ahead to the May to September period, coastal areas are normally quite dry, while areas east of the Cascades and Sierra Nevada typically have a secondary precipitation maximum during the spring months. For example, in Oregon, May to September precipitation accounts for about 15 percent of the annual total along the coast, but almost 30 percent in the east.

--Brad Rippey

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