

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

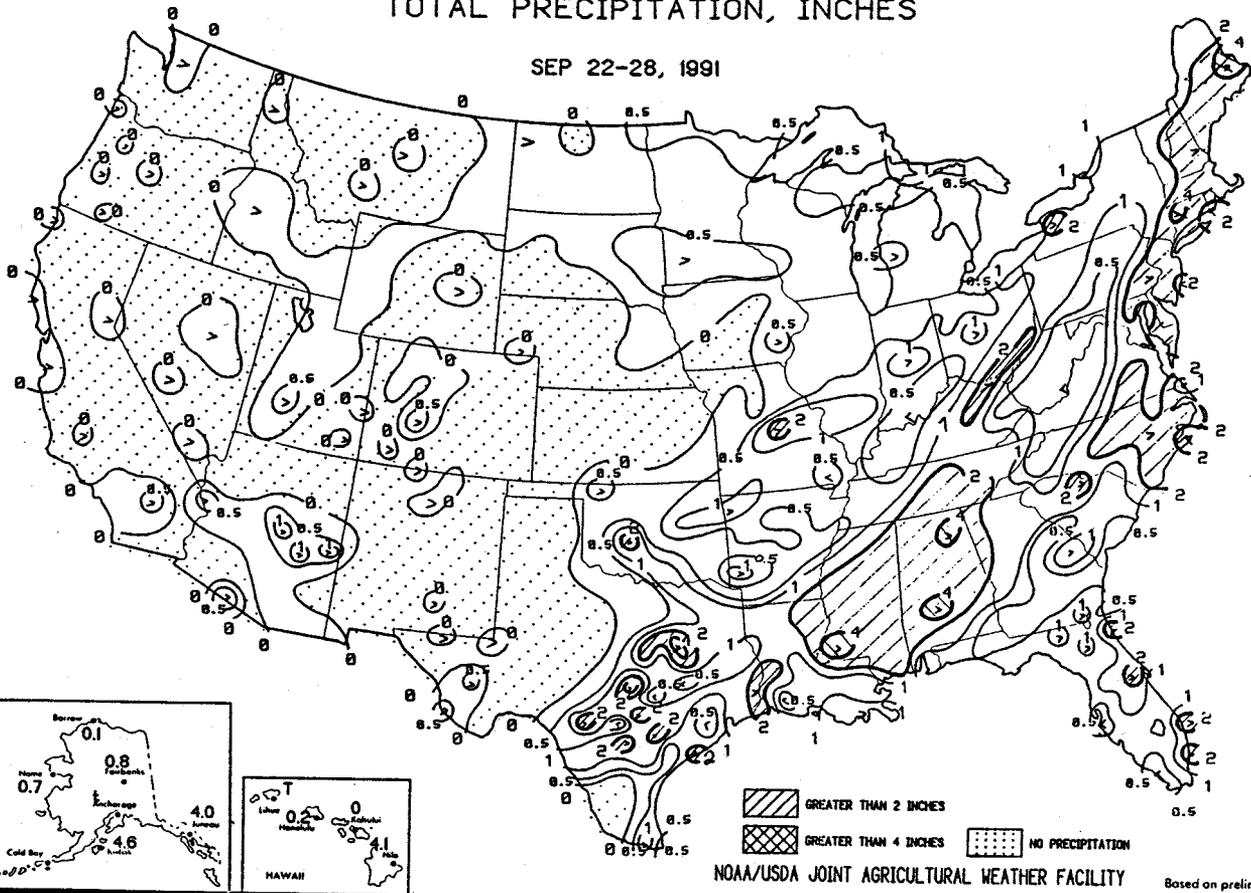
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October 1, 1991

TOTAL PRECIPITATION, INCHES

SEP 22-28, 1991



HIGHLIGHTS

September 22 - 28, 1991

Rain soaked the **East** and the **Gulf Coast States** until midweek, but dry harvest weather overspread the Nation thereafter. Unwelcomed early-week showers in **southwestern Texas** heightened recent flooding. Runoff from the past 2 weeks' thunderstorms has caused the worst flooding along the **Rio Grande River** since 1978. Farther north, drier weather moved into the **southern Plains** cotton growing region, but temperatures remained unseasonably low for the second week in a row. In the **East**, cool weather yielded to autumn's first major storm. One band of heavy rain arced from **southern Texas** to the **Ohio Valley**, and another stretched from the **mid-Atlantic coast** to **Maine**. Meanwhile, thunderstorms peppered the **Southwest**. During the latter half of the week, a Canadian cold front dried and chilled the **East**. In contrast, record warmth returned to the **Northwest**. The high temperature of 94° F on the 25th in **Portland, OR**, bested

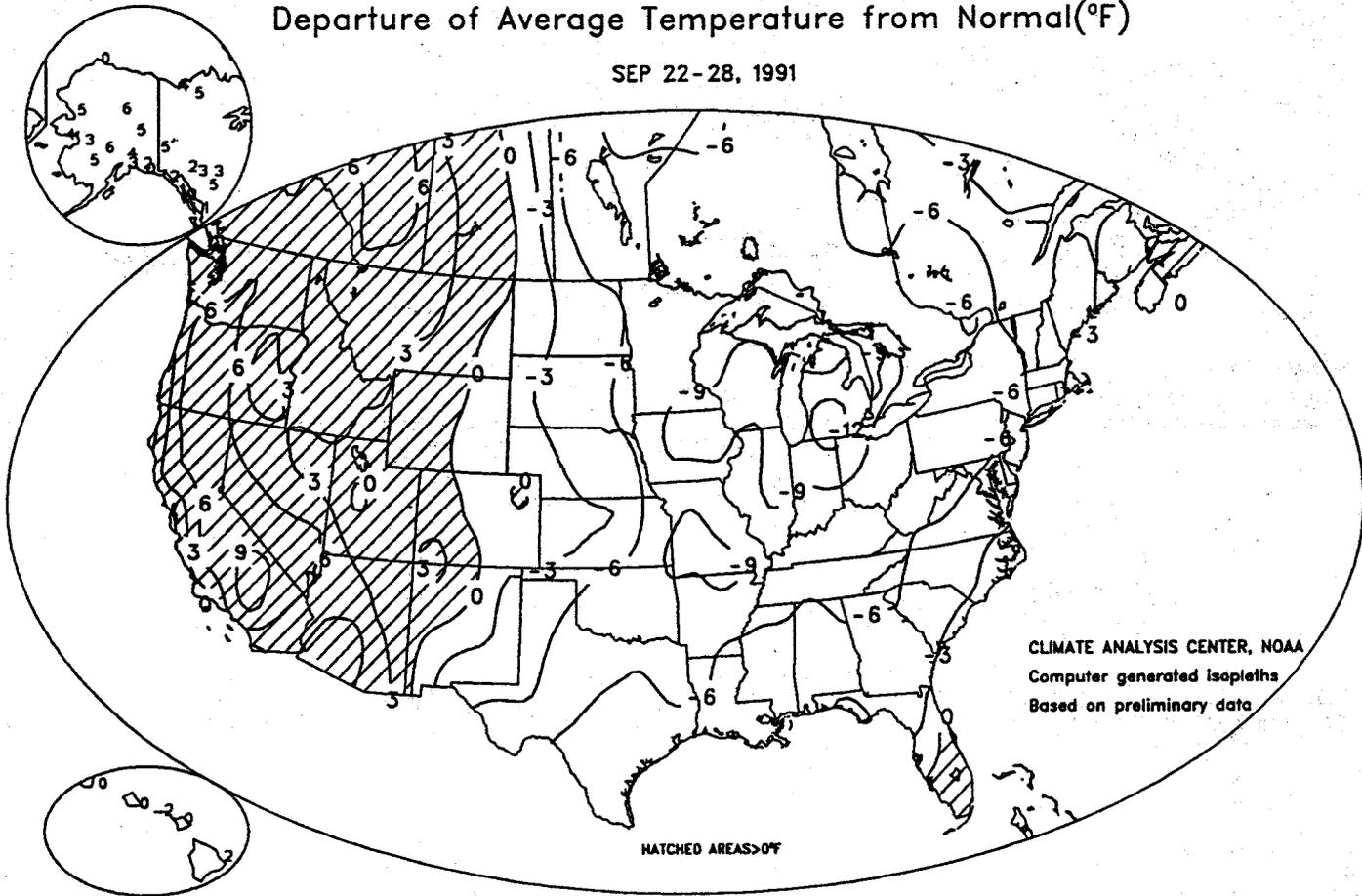
the former daily record by 11° F. By week's end, frosty mornings were the rule from the **Dakotas** to the **lower Great Lakes**. Two dozen daily record lows were established, including a 22° F reading in **Lansing, MI**. Elsewhere, dry, cool weather prevailed **east of the Rockies**, while scattered storms accompanied unusual warmth in the **West**.

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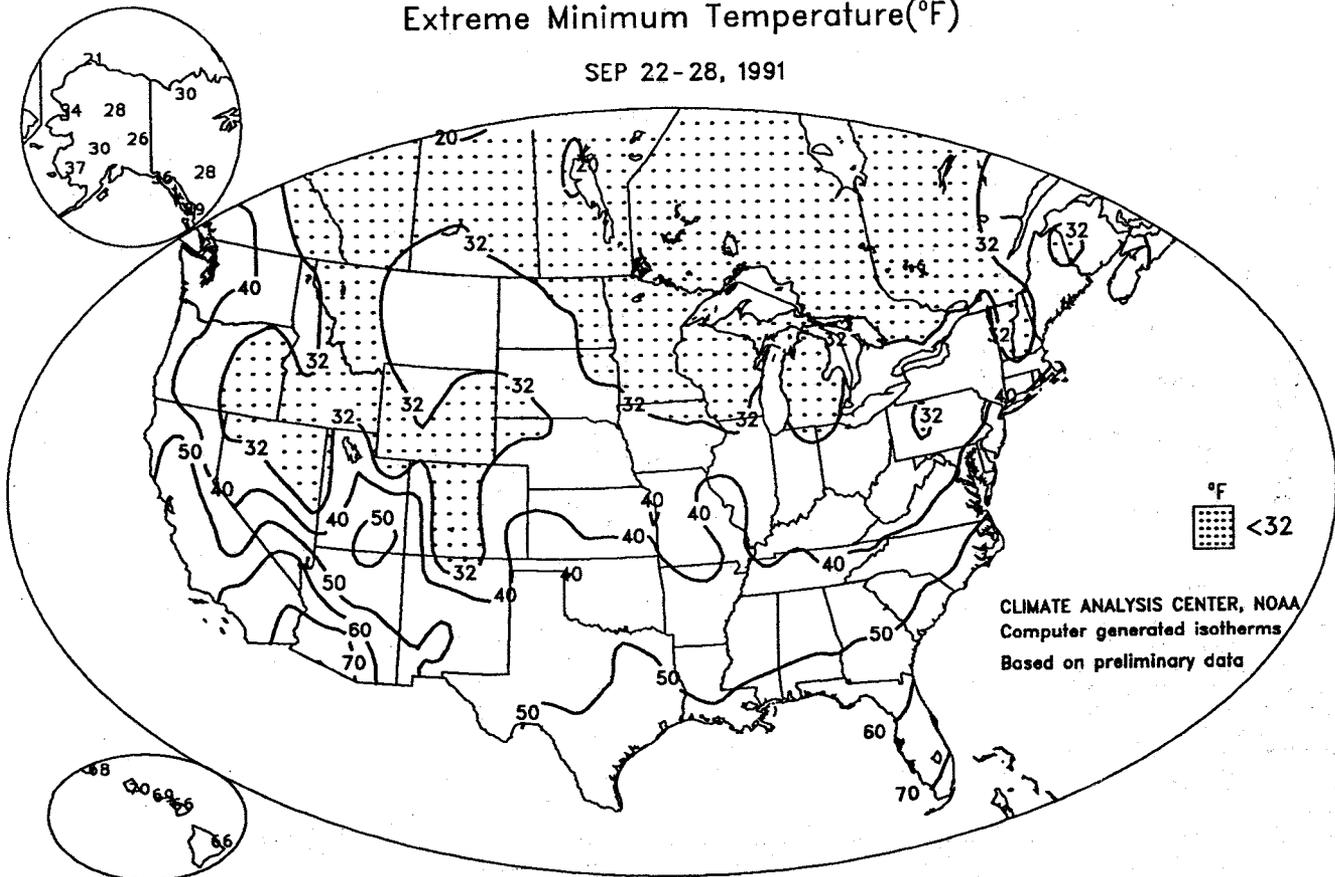
Departure of Average Temperature from Normal(°F)

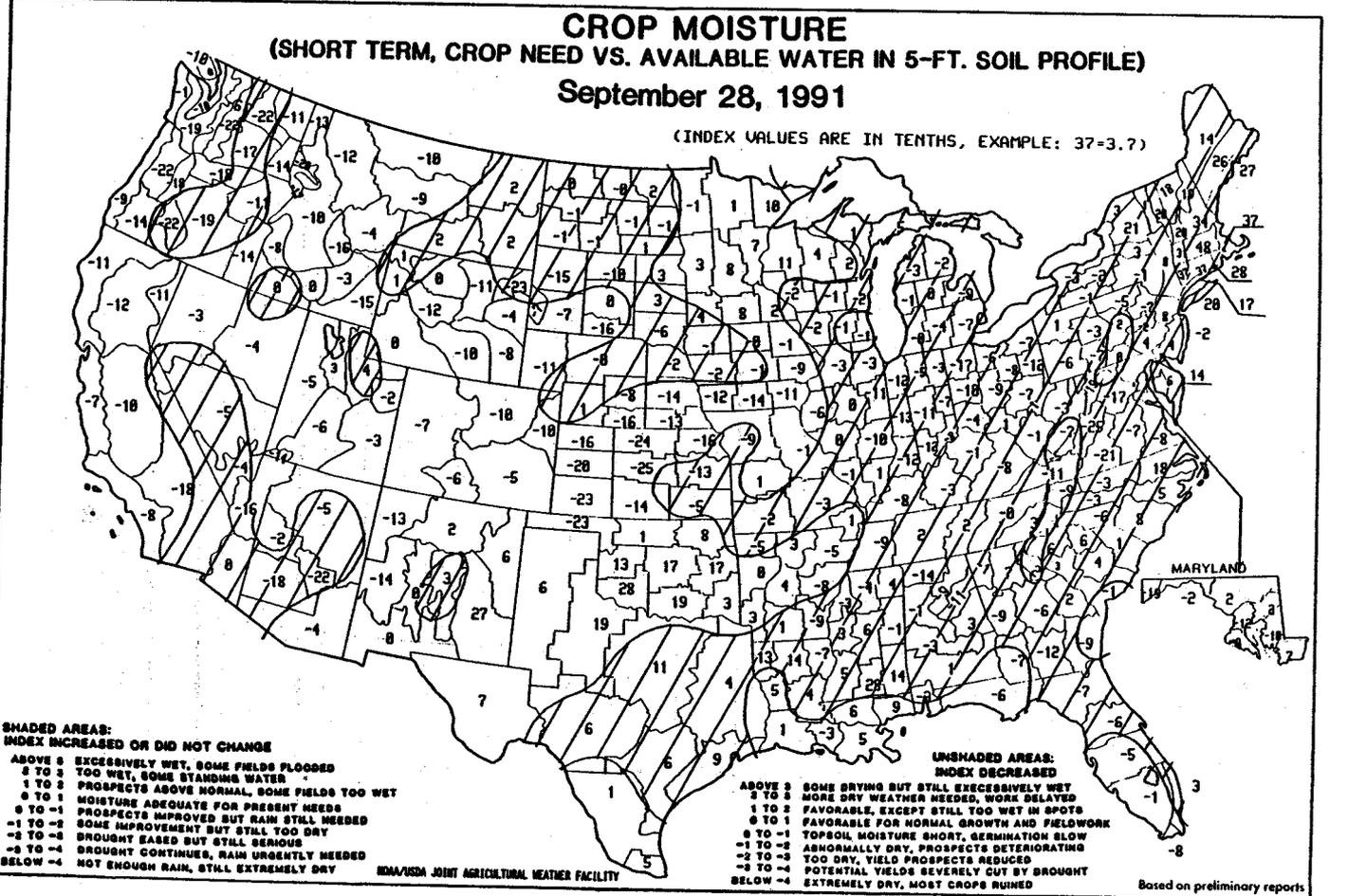
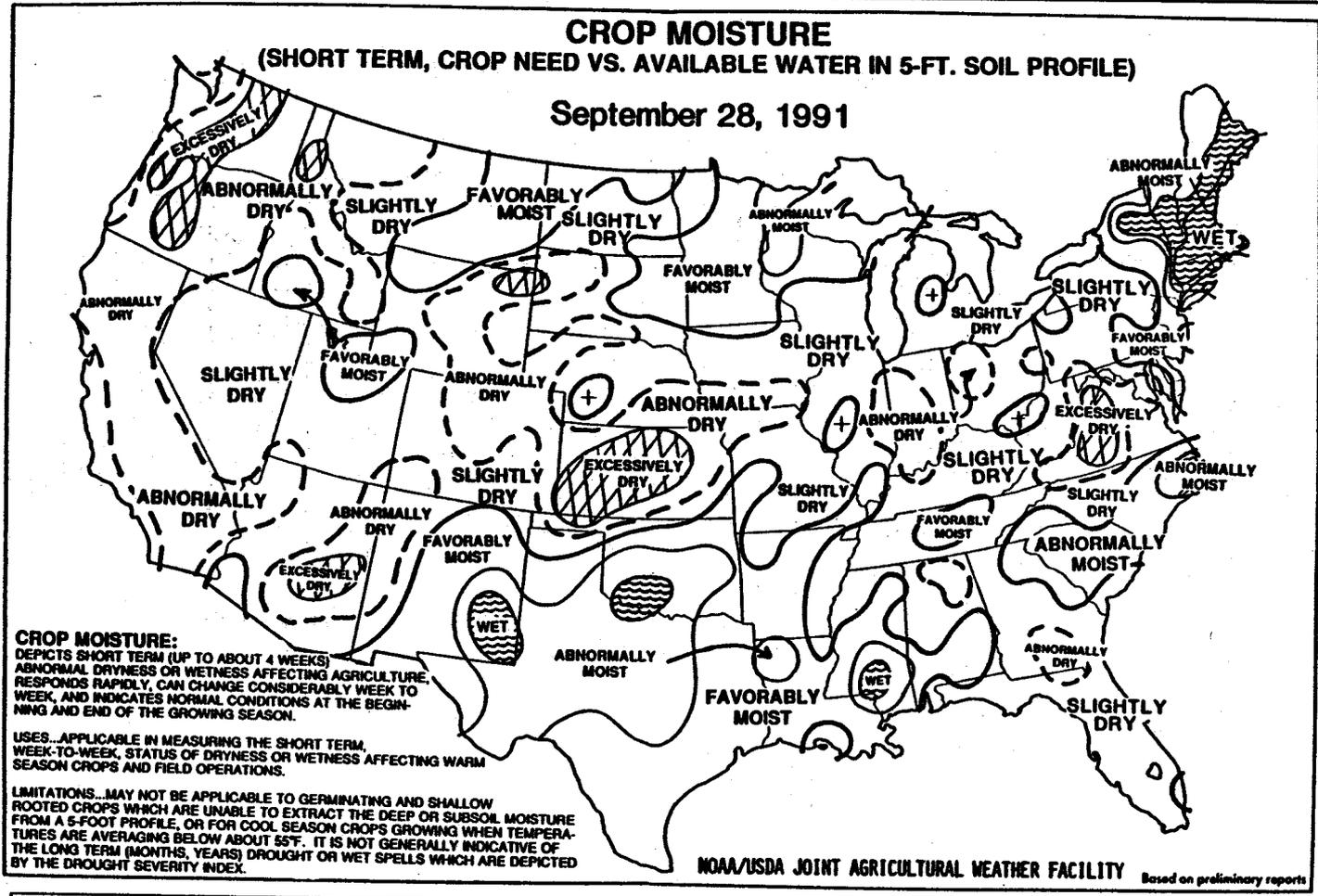
SEP 22-28, 1991



Extreme Minimum Temperature(°F)

SEP 22-28, 1991





National Weather Data for Selected Cities

Weather Data for the Week Ending September 28, 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		
AL BIRMINGHAM	79	53	86	44	66	-5	3.8	2.9	2.4	4.1	101	46.4	108	91	42	0	0	0	2	2	0	0
MOBILE	82	60	89	52	71	-5	.5	-.8	.4	1.9	30	72.0	137	92	47	0	0	0	2	2	1	1
MONTGOMERY	82	56	90	49	69	-5	2.2	1.2	1.7	4.0	91	55.7	144	93	44	1	0	0	2	2	1	1
AK ANCHORAGE	53	43	59	35	48	4	.8	.3	.7	3.4	150	12.1	111	88	57	0	0	5	3	0	0	
BARROW	29	24	31	21	26	0	.1	-.1	.0	.4	66	1.3	37	97	82	0	0	7	3	0	0	
FAIRBANKS	57	33	63	26	45	6	T	-.2	T	1.2	112	7.2	88	90	40	0	0	3	1	1	0	
JUNEAU	52	45	56	42	49	2	4.6	3.0	1.7	14.0	237	55.5	159	100	87	0	0	0	6	6	4	2
KODIAK	53	44	57	34	49	1	4.6	3.0	2.5	9.6	165	64.6	154	94	75	0	0	0	6	6	4	2
NOME	49	38	53	30	43	5	.7	-.2	.5	2.7	122	11.3	97	87	65	0	0	2	4	1	1	
AZ PHOENIX	101	79	107	77	90	8	T	-.1	.1	.8	137	4.3	87	49	19	7	0	0	1	0	0	0
PRESCOTT	83	54	88	52	68	6	T	-.2	T	1.4	101	11.1	76	73	25	0	0	2	2	0	0	
TUCSON	98	67	102	65	83	4	T	-.2	T	1.5	123	7.8	91	59	18	7	0	0	2	0	0	0
YUMA	103	79	108	76	91	7	.0	-.1	.0	.4	161	2.2	133	60	23	7	0	0	0	0	0	0
AR FORT SMITH	75	51	80	45	63	-8	.3	-.4	-.3	4.8	163	29.0	97	96	40	0	0	0	2	0	0	0
LITTLE ROCK	75	55	83	50	65	-6	.5	-.5	-.3	2.2	55	42.6	114	78	49	0	0	0	3	0	0	0
CA BAKERSFIELD	97	68	101	63	82	7	T	.0	T	T	0	4.6	115	52	22	7	0	0	0	0	0	0
EUREKA	62	50	63	47	56	0	.0	-.3	.0	T	4	17.8	76	98	79	0	0	0	0	0	0	0
FRESNO	96	64	100	59	80	8	T	-.1	T	T	0	8.5	119	72	20	7	0	0	0	0	0	0
LOS ANGELES	78	64	84	62	71	2	.1	-.1	.1	.1	82	8.1	95	93	60	0	0	1	0	0	0	0
REDDING	99	60	104	55	80	6	.0	-.3	.0	.0	0	17.3	66	50	12	7	0	0	0	0	0	0
SACRAMENTO	94	56	99	54	75	5	T	-.1	T	T	17	12.7	117	81	21	5	0	1	0	0	0	0
SAN DIEGO	78	66	82	65	72	2	.0	-.1	.0	.3	165	11.1	173	92	61	0	0	0	0	0	0	0
SAN FRANCISCO	71	54	80	51	63	-1	T	.0	T	T	27	11.3	90	95	60	0	0	1	0	0	0	0
CO DENVER	76	40	86	35	58	-2	.0	-.3	.0	.3	26	16.3	128	78	18	0	0	0	0	0	0	0
GRAND JUNCTION	82	50	85	45	66	2	T	-.2	T	2.1	314	6.2	108	44	14	0	0	0	0	0	0	0
PUEBLO	81	40	87	36	60	-2	.0	-.1	.0	1.3	174	10.6	115	65	17	0	0	0	0	0	0	0
CT BRIDGEPORT	67	52	72	43	60	-4	2.0	1.2	1.2	3.5	114	31.5	104	84	47	0	0	4	2	2	2	2
HARTFORD	65	44	72	35	55	-6	3.1	2.2	2.4	4.6	126	36.1	112	96	53	0	0	4	4	2	2	2
DC WASHINGTON	71	55	74	47	63	-5	1.4	-.7	.9	3.5	117	21.7	73	90	50	0	0	3	1	1	1	1
FL APALACHICOLA	84	65	87	59	74	-3	.7	-.1	-.1	1.7	21	87.5	194	90	49	0	0	2	1	1	1	1
DAYTONA BEACH	88	71	93	63	80	1	1.1	-.4	.6	3.5	55	60.1	155	92	56	2	0	4	1	0	0	0
JACKSONVILLE	85	65	93	59	75	-2	.1	-.3	.1	1.5	24	67.3	156	94	56	1	0	1	1	1	1	1
KEY WEST	89	79	91	74	84	1	.6	-.9	.5	5.3	91	33.1	115	86	63	3	0	4	0	0	0	0
MIAMI	88	75	91	72	82	1	2.2	-.3	.9	7.7	103	45.0	99	94	62	2	0	5	2	2	2	2
ORLANDO	88	71	91	66	80	0	2.0	-.7	1.5	4.1	68	55.2	131	96	57	2	0	2	2	2	2	2
TALLAHASSEE	87	60	92	52	73	-3	.5	-.8	.5	.6	9	68.5	129	92	37	3	0	2	0	0	0	0
TAMPA	89	69	93	61	79	0	.1	-.1	.1	3.4	58	40.5	101	95	53	4	0	2	0	0	0	0
WEST PALM BEACH	89	73	90	71	81	0	2.1	-.2	1.1	5.4	62	64.5	142	97	59	2	0	3	2	2	2	2
GA ATLANTA	78	55	85	48	66	-4	1.9	1.2	1.2	2.1	69	49.6	130	89	44	0	0	2	2	2	2	2
AUGUSTA	81	55	87	46	68	-4	.2	-.5	.2	1.3	38	51.9	147	100	48	0	0	1	0	0	0	0
Macon	82	56	87	48	69	-4	.3	-.4	.2	.7	22	47.6	132	96	44	0	0	2	0	0	0	0
SAVANNAH	81	63	88	55	72	-2	.1	-.9	.1	.4	7	63.8	150	91	51	0	0	1	1	1	1	1
HI HILO	86	70	87	67	78	2	4.1	2.5	4.1	9.1	147	125.4	140	96	64	4	0	0	1	1	1	1
HONOLULU	90	72	93	70	81	1	.2	.0	.2	.5	85	11.6	79	86	51	0	0	1	0	0	0	0
KAHULUI	89	69	91	67	79	1	.0	-.1	.0	1.0	412	10.3	83	91	55	3	0	0	0	0	0	0
LIHUE	85	71	86	68	78	-1	T	-.6	T	1.0	51	25.2	89	90	66	0	0	1	1	0	0	0
ID BOISE	81	46	88	31	64	4	.1	-.1	.1	.2	40	6.5	80	61	19	0	1	1	0	0	0	0
LEWISTON	81	49	87	40	65	5	.0	-.2	.0	.2	33	8.8	94	54	21	0	0	0	0	0	0	0
POCATELLO	78	38	87	29	58	2	.1	.0	.1	.6	97	10.9	140	79	20	0	1	1	1	0	0	0
IL CHICAGO	62	40	67	34	51	-10	.2	-.6	.2	2.5	65	22.9	83	89	40	0	0	2	0	0	0	0
MOLINE	65	41	72	36	53	-8	T	-.8	T	2.5	72	21.8	72	93	43	0	0	1	0	0	0	0
PRORIA	64	43	70	37	54	-9	.2	-.6	.2	3.6	105	23.2	82	93	49	0	0	1	0	0	0	0
QUINCY	68	45	74	40	56	-8	T	-.1	T	2.6	67	25.2	83	87	39	0	0	1	0	0	0	0
ROCKFORD	62	40	67	30	51	-9	.1	-.8	.1	4.6	132	21.5	74	92	41	0	2	2	0	0	0	0
SPRINGFIELD	67	44	77	39	56	-9	.2	-.5	.1	4.3	145	26.8	99	95	46	0	0	2	0	0	0	0
IN EVANSVILLE	71	45	79	37	58	-8	.2	-.5	.1	2.6	102	22.2	69	95	43	0	0	3	0	0	0	0
FORT WAYNE	64	37	72	32	50	-11	.1	-.4	.1	2.2	91	30.6	115	94	39	0	2	3	0	0	0	0
INDIANAPOLIS	69	44	76	35	56	-7	1.3	.7	1.3	1.6	63	27.1	90	91	38	0	0	3	1	1	1	1
SOUTH BEND	61	40	66	32	50	-11	.3	-.4	.3	2.4	80	22.9	80	93	47	0	1	3	0	0	0	0
IA DES MOINES	68	41	73	38	54	-7	T	-.6	T	.9	31	29.0	113	82	34	0	0	0	0	0	0	0
SIOUX CITY	69	40	74	34	54	-6	.1	-.4	.1	2.1	89	20.5	94	87	35	0	0	1	0	0	1	1
WATERLOO	62	37	69	30	49	-10	T	-.8	T	2.9	90	32.9	120	93	43	0	1	0	0	0	0	0
KS CONCORDIA	78	47	88	40	62	-2	.0	-.6	.0	.2	7	15.3	66	63	24	0	0	0	0	0	0	0
DODGE CITY	79	48	90	44	64	-2	T	-.4	T	.2	11	7.3	41	66	21	2	0	0	0	0	0	0
GOODLAND	78	43	86	40	61	0	.0	-.3	.0	.8	57	19.9	140	66	21	0	0	0	0	0	0	0
TOPEKA	76	42	88	37	59	-6	T	-.8	T	2.2	67	21.4	78	92	29	0	0	0	0	0	0	0
WICHITA	77	46	86	40	61	-6	T	-.8	T	2.1	65	21.3	91	78	29	0	0	0	0	0	0	0
KY BOWLING GREEN	71	49	77	38	60	-7	.6	-.1	.6	2.8	92	34.1	91	100	56	0	0	1	1	1	1	1
LEXINGTON	68	47	75	38	58	-8	1.2	-.5	1.1	2.1	68	30.6	85	93	43	0	0	3	1	1	1	1
LOUISVILLE	71	49	78	41	60	-6	.5	-.3	.4	2.7	88	28.8	86	89	41	0	0	3	0	0	0	0
LA ALEXANDRIA	82	57	88	47	69	-6	.8	-.2	.8	2.0	72	61.1	152	95	45	0	0	1	1	1	1	1
BATON ROUGE	84	60	91	50	72	-4	.9	.0	.8	6.3	151	63.5	144	93	48	2	0	4	1	1	1	1
LAKE CHARLES	83	60	90	53	72	-4	.5	-.8	.5	3.7	68	61.6	151	94	48	1	0	1</				

Weather Data for the Week Ending September 28, 1991

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS							
	AVERAGE	MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Sept 1	PCT. NORMAL SINCE Sept 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE	MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																				.01 INCH OR MORE	.50 INCH OR MORE	.01 INCH OR MORE	.50 INCH OR MORE
SEKVEPORT	81	55	88	49	68		1.3	.6	1.3	3.5	112	66.9	201	95	43		0	0	0	0	1	1	
ME CARIBOU	55	39	62	30	48		1.6	.9	1.2	2.9	90	26.6	100	98	65		0	0	0	0	1	1	
PORTLAND	61	44	68	34	52		2.5	1.7	1.4	4.7	154	45.2	150	96	60		0	0	0	0	0	0	
MD BALTIMORE	71	51	74	42	61		1.5	.7	.8	3.0	93	21.3	67	90	47		0	0	0	0	3	2	
SALISBURY	73	50	78	40	62		2.5	1.7	1.3	4.7	128	37.1	107	99	52		0	0	0	0	4	2	
MA BOSTON	67	52	73	44	59		3.8	3.0	2.4	6.3	199	31.3	100	88	53		0	0	0	0	3	2	
CHATAM	65	56	69	47	60		2.9	2.1	1.7	3.4	98	25.7	77	82	69		0	0	0	0	3	2	
MI ALPENA	55	35	65	31	45		.1	-.6	.1	2.2	76	24.3	108	94	51		0	0	2	3	0	0	
DETROIT	63	40	71	33	52		.2	-.2	.1	.9	43	21.0	89	88	37		0	0	0	0	4	0	
FLINT	59	34	69	26	47		.4	-.1	.3	.7	30	23.0	103	94	44		0	0	3	4	0	0	
GRAND RAPIDS	56	38	63	27	47		.3	-.5	.2	2.9	94	30.2	120	93	49		0	0	2	2	0	0	
HOUGHTON LAKE	53	38	60	23	45		.2	-.4	.2	2.9	110	23.8	111	89	52		0	0	1	4	0	0	
LANSING	58	32	65	22	45		-.3	-.3	.3	1.0	37	21.9	96	97	49		0	0	4	3	0	0	
MARQUETTE	52	32	58	24	42		.6	-.4	.4	2.9	79	24.8	88	91	56		0	0	4	3	0	0	
MUSKOGON	57	40	65	27	48		.5	-.2	.3	3.3	122	27.9	122	86	51		0	0	2	3	0	0	
SAULT ST. MARIE	52	36	65	31	44		1.6	.7	.5	5.6	152	22.9	94	94	67		0	0	1	6	0	0	
MN ALEXANDRIA	57	38	64	32	48		.7	-.5	.2	4.2	197	26.1	126	86	43		0	0	1	0	0	0	
DULUTH	55	34	61	27	44		.5	-.2	.5	9.1	298	34.8	144	90	44		0	0	4	2	0	0	
INT'L FALLS	52	32	59	23	42		.5	-.2	.2	4.5	152	23.2	116	95	48		0	0	4	3	0	0	
MINNEAPOLIS	59	39	64	29	49		.2	-.3	.2	5.2	222	27.6	125	85	41		0	0	1	2	0	0	
ROCHESTER	58	35	64	29	47		.5	-.2	.4	2.2	69	27.4	117	90	45		0	0	2	3	0	0	
MS GREENWOOD	79	55	87	44	67		2.7	1.9	2.7	3.7	119	53.2	133	95	43		0	0	0	1	1	1	
JACKSON	81	56	90	47	69		2.4	1.6	2.2	3.5	104	52.5	131	99	46		1	0	0	2	1	1	
MERIDIAN	81	56	88	48	69		3.0	2.2	2.8	6.0	180	60.6	147	94	43		0	0	0	3	1	1	
MO CAPE GIRARDEAU	71	48	80	38	60		.5	-.3	.3	2.5	71	30.6	89	93	42		0	0	0	3	0	0	
COLUMBIA	70	45	80	41	57		.4	-.6	.3	3.4	94	25.3	87	89	43		0	0	0	2	0	0	
KANSAS CITY	74	43	84	39	59		.5	-.2	.2	2.1	53	20.9	71	84	31		0	0	0	0	0	0	
SAINT LOUIS	71	52	82	48	61		1.2	-.6	1.1	3.0	119	22.5	84	82	37		0	0	0	2	0	1	
SPRINGFIELD	69	45	79	40	57		.7	-.4	.6	3.6	89	26.5	87	91	43		0	0	0	2	1	1	
MT BILLINGS	72	44	80	39	58		2	-.3	2	3.1	266	18.2	151	79	32		0	0	0	0	0	0	
GLASGOW	70	42	79	37	56		2	-.2	2	.6	69	10.3	107	80	30		0	0	0	0	0	0	
GREAT FALLS	74	41	80	33	58		3	-.2	3	1.0	103	12.4	98	79	26		0	0	0	0	0	0	
HAVRE	74	40	80	35	57		3	-.2	.0	.3	27	8.7	87	79	28		0	0	0	0	0	0	
HELENA	73	40	79	31	57		4	-.2	.0	1.2	156	9.6	100	75	23		0	0	1	0	0	0	
KALISPELL	71	36	78	32	54		3	-.2	3	.7	66	11.5	97	97	34		0	0	1	0	0	0	
MILES CITY	68	43	76	37	56		0	-.2	0	3.8	375	19.1	159	86	37		0	0	0	1	0	0	
MISSOULA	74	38	83	27	56		4	-.2	.0	.3	35	8.8	87	77	24		0	0	1	0	0	0	
NE GRAND ISLAND	75	41	84	35	58		-.3	-.5	.1	.8	34	24.5	120	76	23		0	0	0	0	1	0	
LINCOLN	74	40	85	36	57		-.5	-.6	-.1	.9	34	19.1	81	83	26		0	0	0	0	0	0	
NORFOLK	72	40	77	32	56		-.4	-.4	-.1	1.5	78	24.2	116	79	25		0	0	1	0	0	0	
NORTH PLATTE	74	37	84	33	55		-.3	-.4	.0	1.5	99	16.6	96	91	25		0	0	0	1	0	0	
OMAHA	70	44	76	40	57		-.6	-.7	-.1	2.1	62	30.8	119	83	41		0	0	0	1	0	0	
SCOTTSBLUFF	77	38	89	30	57		-.1	-.3	-.3	2	82	12.4	97	79	19		0	0	1	0	0	0	
VALENTINE	72	36	83	30	54		-.3	-.3	-.3	.5	40	19.1	123	80	25		0	0	2	0	0	0	
NV RLY	77	35	83	29	56		2	-.1	.1	1.3	200	8.3	119	69	25		0	0	4	1	0	0	
LAS VEGAS	95	71	98	66	83		7	-.1	-.1	.1	21	3.4	112	39	17		7	0	0	1	0	0	
RENO	85	44	90	38	65		7	-.1	-.1	.6	273	3.9	77	63	14		1	0	0	1	0	0	
WINNEMUCCA	83	39	90	31	61		5	-.1	-.1	.8	245	5.7	104	56	14		1	1	0	0	0	0	
NH CONCORD	62	39	69	29	50		-.5	2.0	1.3	1.3	4.1	141	26.3	100	100	55		0	2	4	2	2	
NJ ATLANTIC CITY	70	47	74	38	59		-.6	1.7	1.1	.9	86	28.2	91	99	52		0	0	0	4	1	1	
NM ALBUQUERQUE	82	53	85	50	67		1	.0	-.2	.0	1.4	183	7.9	129	70	25		0	0	0	0	0	
CLOVIS	75	51	82	47	63		1	.0	-.4	.0	3.5	199	19.8	140	73	29		0	0	0	0	0	
ROSWELL	79	51	85	48	65		-.3	.0	-.4	.0	4.1	247	17.5	201	86	31		0	0	0	0	0	
NY ALBANY	62	41	68	33	52		-.7	1.1	.6	.8	3.3	109	24.2	92	99	54		0	0	4	1	0	
BINGHAMTON	59	40	65	33	50		-.7	1.1	-.1	.3	2.6	84	24.5	89	95	56		0	0	0	4	0	
BUFFALO	61	44	70	37	52		-.7	2.5	1.8	1.0	3.2	101	29.3	108	92	47		0	0	0	4	2	
NEW YORK	69	56	73	50	63		-.3	2.6	1.8	2.1	3.6	110	31.7	100	81	45		0	0	3	1	1	
ROCHESTER	62	42	72	36	52		-.7	1.3	.7	.8	2.2	90	21.6	93	94	46		0	0	4	1	1	
SYRACUSE	62	43	70	35	53		-.6	1.3	.6	.6	4.2	137	28.6	99	93	51		0	0	0	6	1	
NC ASHEVILLE	71	46	76	38	58		-.6	1.3	.4	.3	1.2	35	35.3	103	96	45		0	0	0	2	0	
CHARLOTTE	76	56	84	51	66		-.3	1.2	.4	1.2	1.7	51	38.9	115	85	45		0	0	0	1	1	
GREENSBORO	73	53	80	45	63		-.4	1.2	.4	1.0	3.7	108	35.4	107	91	47		0	0	2	1	1	
HATTERAS	79	67	84	62	73		1	3.9	2.6	1.8	4.4	82	54.0	131	85	56		0	0	0	4	3	
NEW BERN	80	62	87	56	71		-.1	1.3	.1	.5	4.4	80	41.3	97	93	56		0	0	4	0	0	
RALEIGH	74	54	81	45	64		-.4	2.2	1.5	1.6	3.2	102	30.7	94	94	49		0	0	2	2	2	
WILMINGTON	81	61	87	53	71		-.1	2.2	1.0	.8	3.3	61	51.4	118	96	52		0	0	5	3	3	
ND BISMARCK	64	37	75	32	50		-.3	1.1	-.3	-.3	2.5	194	13.6	102	93	39		0	1	2	0	0	
FARGO	61	35	68	29	48		-.5	.1	-.3	-.1	1.3	72	19.3	116	84	39		0	1	1	0	0	
GRAND FORKS	60	35	69	30	48		-.5	.2	-.2	-.2	3.4	175	18.7	120	89	43		0	1	2	0	0	
WILLISTON	66	39	75	36	53		-.1	.2	-.1	.2	2.7	210	16.5	141	91	40		0	0	1	0	0	
OH AKRON-CANTON	64	41	72	35	53		-.6	.0	-.3	.3	2.4	86	17.1	61	93	42		0	0	4	0	0	
CINCINNATI	68	47	74	37	57		-.7	.3	-.4	.2	2.6	96	31.8	102	88	38		0	0	3	0	0	
CLEVELAND	64	43	74	36	53		-.8	1.0	.4	.4	3.4	125	24.8	92	92	44		0	0	5	0	0	
COLUMBUS	67	43	75	36	55		-.8	.6	.0	.4	4.0	154	25.8	88	89	39							

Weather Data for the Week Ending September 28, 1991

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS					
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Sept 1	PCT. NORMAL SINCE Sept 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE	MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP.	
																	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	67	43	72	35	55	3	.5	.0	.5	3.3	146	29.9	110	89	37	0	0	0	1	
TOLEDO	63	37	71	30	50	-10	.2	-.3	.1	.7	29	18.0	74	97	38	0	1	1	0	
YOUNGSTOWN	64	38	73	29	51	-5	.8	-.1	.3	3.0	103	20.2	70	96	42	0	1	4	0	
OK OKLAHOMA CITY	74	53	79	46	63	-7	.3	-.6	.2	11.9	369	31.9	127	85	41	0	2	2	0	
TULSA	76	51	81	45	63	-7	.8	-.3	.8	6.2	151	21.9	72	88	37	0	2	2	1	
OR ASTORIA	72	51	85	43	62	4	.4	-.9	.4	.1	2	37.8	91	91	52	0	0	0	0	
BURNS	77	37	86	23	57	2	.4	-.1	.4	.5	4.4	67	36	16	2	1	1	0	0	
MEDFORD	94	48	100	38	71	9	.0	-.2	.0	.5	10.6	92	74	14	6	0	0	0	0	
PENDLETON	79	49	86	38	64	4	.4	-.1	.4	0	9.2	116	54	22	0	0	0	0	0	
PORTLAND	81	54	94	47	68	7	.0	-.4	.0	.1	21.4	95	90	39	2	0	0	0	0	
SALEM	83	49	95	39	66	6	.0	-.5	.0	.3	22.0	92	81	33	2	0	0	0	0	
PA ALLENTOWN	68	46	74	37	57	-5	2.5	1.6	1.2	3.3	88	25.8	77	95	43	0	0	4	2	
ERIE	62	48	71	42	55	-5	1.1	-.2	.5	3.2	86	22.3	77	86	46	0	0	4	0	
HARRISBURG	68	46	71	37	57	-7	.4	-.4	.2	1.4	42	23.1	78	96	49	0	0	3	0	
PHILADELPHIA	71	53	79	47	62	-3	2.2	1.4	1.5	3.6	112	29.2	93	84	44	0	0	4	2	
PITTSBURGH	65	42	72	36	54	-8	1.2	-.6	.8	3.5	135	25.9	90	92	43	0	0	4	1	
SCRANTON	62	44	70	36	53	-6	.5	-.2	.4	2.6	85	21.3	81	95	53	0	0	3	0	
RI PROVIDENCE	67	49	74	39	58	-2	2.5	1.7	1.6	5.1	155	35.3	109	96	55	0	0	4	2	
SC CHARLESTON	81	64	87	57	73	-1	.7	-.1	.7	2.3	49	45.6	106	88	53	0	0	1	0	
COLUMBIA	80	54	86	45	67	-5	1.0	-.1	.6	2.5	61	57.8	143	99	51	0	0	2	1	
FLORENCE	80	59	86	49	69	-3	.7	-.2	.5	2.2	58	38.8	107	93	49	0	0	2	0	
GREENVILLE	76	52	83	45	64	-5	1.0	-.1	.9	1.4	33	42.8	107	93	46	0	0	2	1	
SD ABERDEEN	64	37	73	30	51	-5	.1	-.2	.1	.6	41	21.6	140	84	37	0	3	1	0	
HURON	65	38	73	32	51	-6	.6	-.3	.6	1.9	153	21.5	136	86	35	0	1	1	1	
RAPID CITY	72	39	85	30	55	-2	.7	-.2	.7	.6	61	15.5	109	73	26	0	1	0	0	
STOUC FALLS	64	38	71	33	51	-6	.7	-.1	.7	4.0	151	23.8	116	86	38	0	0	2	1	
TN CHATTANOOGA	76	52	81	45	64	-5	2.0	1.1	1.7	2.4	58	42.8	107	98	49	0	0	2	1	
KNOXVILLE	70	51	77	44	60	-8	1.6	-.9	1.0	3.1	113	41.7	116	97	53	0	0	2	2	
MEMPHIS	76	54	85	47	65	-6	.1	-.7	.1	1.5	43	44.2	111	86	45	0	0	2	0	
NASHVILLE	72	52	79	44	62	-7	1.7	-.8	1.6	5.5	157	32.3	86	90	46	0	0	2	1	
TX ABILENE	79	54	81	46	66	-7	.0	-.7	.0	6.0	211	24.3	131	86	42	0	0	0	0	
AMARILLO	78	48	85	40	63	-4	.0	-.3	.0	1.7	106	12.1	74	74	27	0	0	0	0	
AUSTIN	85	62	91	55	74	-3	.2	-.7	.1	2.3	68	34.1	146	84	41	2	0	2	0	
BEAUMONT	84	61	92	52	73	-4	3.4	2.2	3.4	7.1	141	62.2	148	93	47	1	0	1	1	
BROWNSVILLE	86	65	93	58	76	-4	.1	-1.1	.1	5.6	115	26.0	138	94	49	2	0	1	0	
CORPUS CHRISTI	87	66	93	57	76	-3	.9	-.6	.8	8.5	137	36.3	144	95	52	2	0	2	1	
DEL RIO	85	63	88	57	74	-4	.5	-.2	.5	6.9	272	17.2	128	75	38	0	0	1	0	
EL PASO	84	53	87	49	69	-3	.0	-.3	.0	1.8	140	8.2	133	82	29	0	0	0	0	
FORT WORTH	82	55	87	50	69	-6	.2	-.6	.2	4.6	145	34.4	143	86	40	0	0	1	0	
GALVESTON	81	68	84	63	74	-4	1.1	-.3	1.1	5.5	96	50.5	164	84	52	0	0	1	1	
HOUSTON	84	59	90	50	71	-5	.9	-.3	.9	2.8	57	44.1	127	96	46	1	0	1	1	
LUBBOCK	78	50	83	46	64	-4	.0	-.5	.0	6.8	354	20.2	138	89	37	0	0	0	0	
MIDLAND	80	53	84	46	66	-5	.0	-.5	.0	4.0	204	20.1	184	90	36	0	0	0	0	
SAN ANGELO	80	52	84	46	66	-7	.0	-.7	.0	4.8	171	16.8	119	98	44	0	0	0	0	
SAN ANTONIO	87	61	91	52	74	-3	.3	-.6	.2	1.4	41	27.5	124	90	38	2	0	3	0	
VICTORIA	86	62	95	53	74	-4	.2	-1.2	.1	2.5	42	45.9	159	96	45	2	0	2	0	
WACO	85	56	89	50	71	-6	.8	-.0	.7	3.8	130	31.9	137	95	43	0	0	2	1	
WICHITA FALLS	77	54	81	47	65	-8	.2	-.7	.1	8.3	261	24.3	115	94	45	0	0	1	0	
UT CEDAR CITY	80	47	85	44	64	4	.2	-.0	.2	1.1	133	9.0	115	62	20	0	0	1	0	
SALT LAKE CITY	76	49	84	42	63	1	.1	-.2	.1	2.5	312	13.1	115	72	27	0	0	1	0	
VT BURLINGTON	60	45	66	34	52	-3	1.3	-.6	1.1	4.9	163	24.3	96	95	57	0	0	3	1	
VA NORFOLK	75	59	84	49	67	-3	.9	-.0	.6	2.0	50	34.0	96	94	52	0	0	3	1	
RICHBOND	76	53	78	45	64	-3	2.0	1.2	1.0	2.7	81	28.1	84	94	43	0	0	3	2	
ROANOKE	72	48	75	38	60	-5	.1	-.7	.0	.2	5	30.7	103	91	45	0	0	2	0	
WA QUILLAYUTE	71	52	88	43	61	6	.7	-1.8	.7	.1	2	67.2	104	97	55	0	0	0	0	
SEATTLE-TACOMA	73	53	85	47	63	5	.7	-.5	.7	.0	25.4	111	95	54	0	0	0	0	0	
SPOKANE	78	45	85	31	62	6	.0	-.2	.0	.7	2	9.7	89	68	24	0	1	0	0	
YAKIMA	83	44	88	33	64	6	.0	-.1	.0	.1	24	5.4	107	92	30	0	0	0	0	
NV BECKLEY	64	45	69	35	55	-5	.1	-.7	.1	2.6	75	29.0	87	95	55	0	0	2	0	
CHARLESTON	67	47	76	40	57	-8	.4	-.2	.3	5.5	195	30.5	92	99	56	0	0	3	0	
HUNTINGTON	69	47	76	36	58	-8	.9	-.3	.8	2.3	80	29.2	91	96	50	0	0	3	1	
PARKERSBURG	66	44	74	35	55	-9	2.1	1.5	1.7	3.8	142	34.0	113	96	50	0	0	4	1	
WI GREEN BAY	57	36	60	28	47	-9	.4	-.3	.2	2.6	86	18.9	85	95	47	0	3	3	0	
LACROSSE	59	40	64	31	49	-9	.6	-.2	.4	1.4	41	26.9	107	93	48	0	2	3	0	
MADISON	59	38	66	27	49	-9	.2	-.5	.1	4.0	138	28.1	113	90	45	0	2	3	0	
MILWAUKEE	60	44	67	37	52	-7	.2	-.4	.1	4.3	161	27.0	111	83	44	0	0	3	0	
WAUSAU	55	35	60	28	45	-10	.2	-.6	.2	4.0	109	29.6	114	97	47	0	3	1	0	
NY CASPER	73	35	85	30	54	-1	.7	-.2	.7	.4	58	10.4	113	70	19	0	1	1	0	
CHEYENNE	71	37	80	30	54	-1	.0	-.2	.0	1.6	156	16.9	145	68	19	0	2	0	0	
LANDER	72	41	80	34	57	2	.7	-.2	.7	.4	49	11.1	106	62	21	0	0	0	0	
SHERIDAN	73	37	86	31	55	1	1.0	.7	1.0	2.5	230	13.1	108	85	27	0	2	1	1	

Based on 1951-80 normals

National Agricultural Summary

September 23 - 29, 1991

HIGHLIGHTS: Unseasonably cold weather across the Central United States caused some additional frost damage to soybeans. Continued dry weather across the West and limited rainfall in the Central States kept soil moisture supplies short.

SMALL GRAINS: Seeding of the 1992 winter wheat crop progressed well under mostly dry conditions in the western half of the Nation. Winter wheat was 48 percent (%) planted, compared with 43% last year and 48% for the 5-year average. Limited soil moisture supplies in the Western and Central States discouraged many farmers from seeding. Harvests of spring seeded grains were very near complete in the Northwest and Northern Rocky Mountains.

CORN: Corn harvest continued to progress ahead of last year and the historic average, paced by much earlier-than-usual harvest in the eastern Cornbelt. Thirty-six percent of the crop was harvested in the 17 major producing States, 23 percentage points ahead of last year and 17 points ahead of the 5-year average. Ninety-four percent of the crop was mature, compared with 71% last year and 80% average. Crop maturity was slightly behind normal in Colorado and Iowa but ahead of schedule in most other major States. Condition of that portion of the crop remaining for harvest was mostly fair to good for the 17 major States, with poor or very poor conditions for much of the corn in Indiana, Illinois, Ohio, and Pennsylvania. Moisture content of corn was running 20% in Indiana, compared with 27% last year and 23% average.

SOYBEANS: Soybean progress continued to outpace normal despite much cooler-than-usual temperatures in the eastern half of the Nation. Harvest was in full swing in the Northern States, and getting underway in the lower Mississippi Valley and Gulf Coast. Nationwide, 23% of the crop was harvested, compared with 9% last year and 16% average. Leaves were dropping on 74% of the acreage, compared with 60% last year and 60% average. Crop condition rated mostly fair to good for the 19 major States, while 54% of the acreage rated poor or very poor in Kansas. Frost damage to Iowa soybean acreage was reported 5% none, 24% limited, 43% moderate, and 28% extensive. Missouri's frost damage was reported at 68% light to none, 24% moderate, and 8% heavy, mostly confined to the northern areas. Cool weather slowed soybean pod development in younger fields in Arkansas, while accelerating yellowing and leaf shedding in more mature fields. Problems with insects and aerial blight continued in Louisiana.

COTTON: Checked by cool temperatures in the East and slow early-season development in the West, crop progress remained behind schedule. Bolls were opening on 66% of the acreage in the 14 major producing States, 6 points behind last year and 1 point behind the average. Harvest was gaining momentum in the East, while growers in California and New Mexico had yet to begin. Harvest was 16% complete for the 14 major States, compared with 21% last year and 19% average.

GRAIN SORGHUM: Sorghum progress, although slowed somewhat by recent cool weather in the Central States, remained ahead of schedule. Seventy-five percent of the crop was mature in the 12 major producing States, 6 points ahead of last year and 7 points ahead of the historic average. Harvest reached 42% complete, compared with 28% last year and 33% average. Crop maturity continued to lag behind normal in Oklahoma and the Delta while

running ahead of schedule elsewhere. Crop condition rated mostly fair to good in the 12 major producing States, but much of the acreage in Kansas, Nebraska, Missouri, and Louisiana rating poor or very poor.

RICE: Rice harvest reached 61% complete in the five major producing States, 9 points ahead of last year but 5 points behind the historic average. Harvest was completed in Texas and near completion in Louisiana despite rain interruptions. Harvest was in full swing in Arkansas and Mississippi. Harvest was in the early stages in California, as warmer temperatures aided crop development.

OTHER FIELD CROPS: Open weather in the West was conducive to haying, with third cutting of alfalfa active in most States. Fourth cutting alfalfa was harvested as weather permitted in the East. Dry bean harvest was near completion in Minnesota, Montana, and North Dakota, and past the midpoint in Colorado, Idaho, and Wyoming. Peanut digging was active in the Southeast, but dry, hard soils were slowing digging in some parts of Georgia. Digging of fall potatoes was in full swing from Washington to Maine. Corn was harvested for silage in the West. Harvest of sugarbeets was underway in Idaho, Minnesota, Montana, and North Dakota.

FRUIT AND NUTS: Apple, lemon, and pistachio picking continued in Arizona. Wine grape harvest was in full swing in California's Napa Valley, while winding down in the central San Joaquin Valley. Warm, dry weather was beneficial for drying of California raisins, with picking complete in the Fresno area. Almond, pistachio, and walnut harvests continued in the State. Lemon and grapefruit harvests remained active and new crop citrus progressed well. Grapefruit movement was also active in Florida. Cranberry harvest continued in New England and New Jersey and got underway in Oregon. Apple picking was active across the Nation, with Washington reporting Golden Delicious picking in full swing and Red Delicious harvest starting.

VEGETABLES: Melon and late-season vegetable harvests remained active in Arizona. California harvests of broccoli, cauliflower, celery, lettuce, and tomatoes continued. Winter vegetable planting continued in southern Florida, while squash and eggplant were harvested in the northern part of the State. Onion harvest progressed in Idaho and sweet corn harvest neared completion. Lima bean harvest was well along in Maryland. Fall lettuce harvest got underway in New Mexico. Only late varieties of onions remained to be harvested in New York, and tomato harvest was near completion in Ohio. Sweet corn, tomato, pole bean, and table beet harvests continued in western Oregon. Oregon sweet corn harvest was winding down and onion harvest continued. Carrots and sweet corn were being harvested in Washington.

PASTURES AND LIVESTOCK: Pasture and range conditions remained good to excellent from Texas through the Southeast, while dry conditions continued to limit forage growth in the Central and Western States. Some ranchers were hauling water to livestock in Kansas, as watering ponds have dried. Movement of stock from summer mountain pastures continued in the West.

Crop Progress

For Week Ending September 29, 1991

	Rice		
	% Harvested		
	1991	1990	Avg.
AR	56	32	62
CA	10	10	9
LA	92	93	93
MS	38	55	71
TX	100	99	100
5 States	61	52	66

These 5 states produced 98% of the 1990 rice crop.

	Soybeans		
	% Dropping Leaves		
	1991	1990	Avg.
AL	26	55	40
AR	13	13	20
GA	60	65	46
IL	94	61	84
IN	100	55	78
IA	85	77	89
KS	85	70	70
KY	45	24	42
LA	21	44	42
MI	90	65	70
MN	85	94	95
MS	26	43	46
MO	60	46	59
NE	100	86	84
NC	28	22	15
OH	100	68	74
SC	14	5	11
SD	100	94	85
TN	28	34	48
19 States	74	60	69

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

	Soybeans		
	% Harvested		
	1991	1990	Avg.
AL	3	13	9
AR	3	0	2
GA	1	4	2
IL	48	10	30
IN	36	4	20
IA	17	12	23
KS	25	15	10
KY	4	2	3
LA	2	16	10
MI	15	1	3
MN	22	17	29
MS	4	11	9
MO	11	4	8
NE	38	21	17
NC	0	0	0
OH	29	4	0
SC	0	0	0
SD	46	19	13
TN	2	2	2
19 States	23	9	16

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

	Winter Wheat		
	% Planted		
	1991	1990	Avg.
AR	6	0	2
CA	0	0	0
CO	85	81	86
GA	6	2	4
ID	37	40	52
IL	13	6	11
IN	13	12	16
KS	55	45	55
MI	45	35	30
MO	12	9	15
MT	68	70	56
NE	87	81	83
NC	9	7	5
OH	12	7	13
OK	53	35	49
OR	26	45	19
SD	88	84	83
TX	39	41	52
WA	59	69	66
19 States	48	43	48

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

	Corn		
	% Mature		
	1991	1990	Avg.
CO	64	71	72
GA	100	100	100
IL	100	67	92
IN	100	50	80
IA	95	93	97
KS	99	90	90
KY	91	63	85
MI	85	20	45
MN	85	77	81
MO	96	87	96
NE	99	89	90
NC	99	99	99
OH	100	33	54
PA	49	18	30
SD	97	80	78
TX	91	99	98
WI	86	39	6
17 States	94	71	80

These 17 states produced 95% of the 1990 corn crop.

	Corn		
	% Harvested		
	1991	1990	Avg.
CO	6	6	6
GA	93	94	91
IL	69	9	27
IN	46	5	17
IA	20	11	18
KS	65	45	40
KY	50	19	35
MI	15	2	3
MN	10	3	11
MO	59	26	40
NE	29	14	13
NC	69	63	52
OH	26	4	0
PA	11	2	4
SD	33	8	6
TX	75	85	82
WI	10	2	6
17 States	36	13	19

These 17 states produced 95% of the 1990 corn crop.

	Grain Sorghum		
	% Mature		
	1991	1990	Avg.
AR	86	81	91
CO	58	51	45
IL	77	26	75
KS	55	50	50
LA	93	94	98
MS	88	89	93
MO	74	43	72
NE	96	77	83
NM	15	20	NA
OK	33	60	50
SD	98	72	64
TX	84	92	79
12 States	74	68	NA

Excl. States with NA 75 69 68

These 12 states produced 98% of the 1990 grain sorghum crop.

NA - not available.

	Grain Sorghum		
	% Harvested		
	1991	1990	Avg.
AR	64	52	75
CO	12	28	8
IL	40	2	25
KS	20	10	15
LA	83	87	91
MS	61	77	80
MO	36	12	33
NE	35	8	13
NM	0	8	NA
OK	8	3	11
SD	24	17	11
TX	75	62	62
12 States	42	28	NA

Excl. States with NA 42 28 33

These 12 states produced 98% of the 1990 grain sorghum crop.

NA - not available.

	Cotton % Bolls Opening		
	1991	1990	Avg.
AL	79	96	88
AZ	90	100	96
AR	72	80	84
CA	90	95	95
GA	75	90	78
LA	85	97	96
MS	86	98	94
MO	86	83	82
NM	60	85	82
NC	95	87	89
OK	42	60	49
SC	87	86	83
TN	84	87	87
TX	48	51	42
14 States	66	72	67

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

	Cotton % Harvested		
	1991	1990	Avg.
AL	20	53	30
AZ	10	14	8
AR	17	9	23
CA	0	0	1
GA	8	39	19
LA	16	52	41
MS	18	38	36
MO	27	10	25
NM	0	0	0
NC	11	8	6
OK	1	3	2
SC	11	25	13
TN	20	20	26
TX	21	17	17
14 States	16	21	19

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

Crop Condition

PERCENT

For Week Ending September 29, 1991

State	Cotton				
	VP	P	F	G	EX
AL	0	1	53	42	4
AZ	0	0	17	58	25
AR	0	5	11	84	0
CA	0	0	10	90	0
GA	0	0	22	57	21
LA	0	2	39	59	0
MS	0	0	35	61	4
MO	0	0	70	30	0
NM	0	18	55	27	0
NC	0	0	19	79	2
OK	0	0	38	62	0
SC	0	0	73	27	0
TN	4	6	58	32	0
TX	0	10	37	45	8
14 State	0	5	34	55	6
Prev Week	0	7	36	52	5
Prev Year	1	4	40	52	3

State	Grain Sorghum				
	VP	P	F	G	EX
AR	4	10	69	17	0
CO	1	5	26	57	11
IL	0	4	35	61	0
KS	20	30	37	8	5
LA	0	23	53	24	0
MS	0	1	63	36	0
MO	5	27	49	19	0
NE	21	11	35	30	3
NM	0	3	29	68	0
OK	0	0	35	65	0
SD	4	1	35	47	13
TX	0	1	24	64	11
12 State	10	13	34	37	6
Prev Week	6	14	39	35	6
Prev Year	0	7	42	46	5

State	Corn				
	VP	P	F	G	EX
CO	0	2	14	73	11
GA	0	0	19	77	4
IL	11	14	36	34	5
IN	10	29	54	7	0
IA	0	5	37	54	4
KS	5	13	23	19	40
KY	0	12	64	22	2
MI	1	4	20	45	30
MN	0	5	33	55	7
MO	4	13	58	24	1
NE	4	5	29	55	7
NC	0	0	21	77	2
OH	10	24	39	24	3
PA	19	27	32	19	3
SD	1	8	27	45	19
TX	0	0	5	74	21
WI	0	4	9	72	15
17 State	4	10	34	44	8
Prev Week	4	11	34	43	8
Prev Year	1	4	18	66	11

State	Soybeans				
	VP	P	F	G	EX
AL	0	5	47	48	0
AR	0	2	45	53	0
GA	0	7	36	57	0
IL	3	12	32	46	7
IN	4	12	59	25	0
IA	1	14	46	36	3
KS	17	37	36	7	3
KY	2	6	56	36	0
LA	3	21	42	34	0
MI	1	4	20	45	30
MN	4	11	38	38	9
MS	0	0	28	72	0
MO	2	17	55	25	1
NE	5	17	51	24	3
NC	0	2	26	72	0
OH	6	19	38	31	6
SC	0	0	43	57	0
SD	0	9	26	50	15
TN	0	2	54	37	7
19 State	3	12	42	39	4
Prev Week	3	12	39	42	4
Prev Year	2	9	35	48	6

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 mostly 2.00 to 4.00 in.; under 1.00 in. southeast, extreme south. Temperatures 3 to 6° below normal.

Days suitable for fieldwork 4.7. Soil moisture 20% short, 76% adequate, 4% surplus. Corn 88% harvested, 92% 1990, 81% avg. Sorghum 56% harvested, 72% 1990, 61% avg.; 30% fair, 70% good. Peanuts 70% dug, 85% 1990, 55% avg.; 59% combined, 76% 1990, 43% avg.; 32% fair, 62% good, 6% excellent. Cotton 79% bolls opened, 96% 1990, 88% avg.; 20% harvested, 53% 1990, 30% avg.; 1% poor, 53% fair, 42% good, 4% excellent. Soybeans 47% turning color, 76% 1990, 65% avg.; 26% dropping leaves, 55% 1990, 40% avg.; 15% mature, 40% 1990, 26% avg.; 3% harvested, 13% 1990, 9% avg.; 5% poor, 47% fair, 48% good. Winter wheat 10% seeded, 15% 1990, 16% avg. Pastures 2% poor, 48% fair, 45% good, 5% excellent. Livestock 16% fair, 80% good, 4% excellent. Activities: Harvesting corn, hay, sorghum, soybeans, sweet potatoes, fall vegetables; digging, combining peanuts; defoliating, harvesting cotton; land preparation; planting small grains; mowing pastures; marketing livestock; general care of livestock, poultry, catfish.

ALASKA: Railbelt wide, cool, dry weather with some scattered light showers occurring mid to late in the week. Highs, lows 1 to 10° above normal. Seasonal precipitation 3.60 in. drier than normal at Fairbanks to 1.88 in. wetter than normal at Anchorage.

Days suitable for harvest 5.0. Topsoil 5% short, 90% adequate, 5% surplus. Subsoil 3% short, 97% adequate. Small grains 99% harvested. Second crop hay 85% complete. Commercial potato harvest 99% complete. Winter hay availability adequate to surplus. Livestock good to excellent.

ARIZONA: Sunny, hot, humid throughout period. Thunderstorms 22nd, northwest. Showers, central, east, southeast 24th, 25th. Rain showers east, south 26th, 27th; scattered showers, east, north 28th. Precipitation trace to 0.42 in. northwest. Temperatures 1° above to 8° above normal. Extremes 37°; 94° higher elevations, 55°; 108° desert.

Cotton bolls opening 90%, 100% 1990, 96% avg.; harvested 10%, 14% 1990, 8% avg.; activities included monitoring insects, defoliating, harvesting; cotton 17% fair, 58% good, 25% excellent; weed, insect infestations light to moderate. Alfalfa harvest moderate; weed, insect infestations light to moderate; rain damage light; alfalfa good. Lemons harvested west, watermelons, cantaloupe harvested, central. Mixed vegetables harvested central, east. Apples, pistachios harvested, east. Pasture, range conditions 60%, 70% 1990; cattle, calves fair to good; stock water short to adequate, soil moisture short; range, pasture feed supplies below avg. to avg.; insects light; north, central pasture, range conditions very poor; southeast poor to fair.

ARKANSAS: Temperatures below normal, with scattered showers first of week. Extremes 37°; 87°. Rainfall none to 1.34 in.

Days suitable for fieldwork 6. Soil moisture 5% short, 95% adequate. Corn harvested 91%, 85% 1990, 93% avg. Pasture 4% poor, 17% fair, 64% good, 15% excellent. Alfalfa 15% poor, 15% fair, 70% good. Other hay 14% poor, 31% fair, 55% good. Livestock good. Activities: Harvesting rice, cotton, grain sorghum, corn, hay, apples; scouting crops for insects, diseases; applying pesticides; seeding supplemental cool season forage. Cotton harvest was in full swing, with gins running 24 hours a day. The cool weather slowed soybean pod development in younger fields, accelerated yellowing, leaf shedding in more mature fields.

CALIFORNIA: Strong high pressure over the State allowed temperatures to warm above normal, while low pressure system off the coast circulated moisture into the State producing scattered thundershowers. Only light amounts, if any, were recorded in both valley, mountain locations.

Field activities progressed, open weather. Wheat stubble disced. Rice harvest full swing; warmer temperatures aided development. Cotton defoliation continued. Most fields final irrigation. Harvest progressed desert, just underway San Joaquin Valley. Alfalfa seed harvest winding down. Harvest corn grain, corn silage, safflower, sugarbeets continued. Alfalfa, sugarbeets sprayed worm control. Harvests alfalfa, sudan grass hay, green chop normal. Field preparation small grains ongoing. Table, wine grape harvest continued. Napa Valley wine harvest full swing, central valley winding down. Good raisin drying conditions. Fresno raisin harvest complete, 45% boxed. Almond, pistachio, walnut harvests normal. Apple harvest steady. Fresno Roysum plum harvest slowed, color delays. Asian pears packed. Prune harvest rapidly winding down. Pomegranate harvest increased. Peach, nectarine harvests near completion. Avocados maturing. Lemon, grapefruit harvest active. New crop citrus progressed well. Broccoli moderate supply, generally good quality. Cauliflower moderate supply, variable quality. Celery heavy supply, generally good quality. Iceberg lettuce moderate supply, variable quality. Tomatoes, cantaloupes, honeydew melons, sweet potatoes, harvests continued central valley. Planting potatoes, fall crop lettuce continued in desert. Early variety Norkota potatoes being harvested McArthur, Tulalake areas. Range conditions poor to good northern areas. Poor to fair southern. Water supplies inadequate northern Sacramento Valley.

COLORADO: A cold front on 22nd, 23rd brought gusty winds, cooler temperatures. Dry, warm weather returned on 24th, stayed through the remainder of the week. Precipitation fell on the 22nd, 23rd with all river basins receiving 0.10 to 0.30 in. of moisture. Temperatures 1 to 3° below normal east of the Continental Divide; 1 to 3° above normal west.

Days suitable for fieldwork 6.6. Soil moisture 3% very short, 36% short, 60% adequate, 1% surplus. Third cutting alfalfa hay 74% complete, 69% 1990, 73% avg.; fourth cutting 31% complete, 24% 1990, 16% avg. Oats 93% harvested, 97% 1990, 95% avg. Dry beans 74%

harvested, 62% 1990, 64% avg. Sorghum is 58% mature, 51% 1990, 45% avg.; sorghum 12% harvested, 28% 1990, 8% avg. Fall potatoes 45% harvested, 38% 1990, 47% avg. Corn 64% mature, 71% 1990, 72% avg.; corn for grain 6% harvested, 6% 1990, 6% avg.; corn silage 85% harvested, 81% 1990, 86% avg.; 2% poor, 14% fair, 73% good, 11% excellent. Sorghum 1% very poor, 5% poor, 26% fair, 57% good, 11% excellent. Onion harvest 81% complete, 88% 1990, 72% avg. Winter wheat 85% seeded, 81% 1990, 86% avg.; winter wheat 53% emerged, 49% 1990, 57% avg. Winter wheat 4% poor, 20% fair, 68% good, 8% excellent. Livestock mostly good. Pasture, range feed excellent.

FLORIDA: Temperatures Panhandle 3 to 4° above normal. Central, south, within 2° of normal. Highs, upper 90s, lows lower 60s. Showers daily central, south; weekly rainfall 0.5 in. or less. Panhandle received only isolated showers.

Soil moisture adequate. Peanut harvesting, haying active. Sugarcane planting gaining momentum. Cotton, soybeans, sugarcane made normal progress. States pastures mostly good to excellent. Pasture ratings 10% fair, 75% good, 15% excellent. States herds mostly good to excellent. Groves very good condition. Sub surface moisture adequate, rainfall varied, interior counties irrigating, fruit splitting wet areas. Early bloom harvest continues. Young tree Hamlin harvest increasing. White and colored grapefruit movement active. Caretakers cutting cover crops. Spraying and fertilizations continue. Southern vegetable areas hot, wet; drier northern areas. Planting continued in southern localities. Northern squash, eggplant, hydroponic cucumber harvest underway.

GEORGIA: Significant rains north, west central midweek 1.00 to 3.00 in. Elsewhere mostly 0.50 in. or less, isolated totals up to 1.50 in. Most stations rain on two days. Temperatures 3 to 5° below normal, coolest mid week to weekend. Lowest temperatures mid to upper 30s in colder mountain locations, mid and upper 50s along coast. Scattered frost in colder mountain locations on 27th to 28th mornings. Hottest temperatures mid to upper 70s mountains, to low 90s extreme south.

Days suitable for fieldwork 5.2. Soil moisture 6% very short, 37% short, 56% adequate, 1% surplus. Sorghum 15% fair, 79% good, 6% excellent; 60% harvested for grain, 65% 1990, 53% avg. Peanuts 43% fair, 57% good; 70% dug, 77% 1990, 63% avg.; 54% threshed, 64% 1990, 47% avg.; dry, hard soil slowing digging some areas. Soybeans velvetbean caterpillar damage heavy some areas. Wheat 48% fair, 52% good; 1% emerged, 0% 1990, 3% avg.; dry soils slowing planting south, progress ahead of normal. Rye, other small grain seedings behind normal. Apples 14% very poor, 22% fair, 64% good; 78% harvested, 72% 1990, 76% avg.; harvest complete some central areas. Pecans 2% very poor, 16% poor, 47% fair, 35% good; 0% harvested, 3% 1990, 1% avg. Hay, pastures fair to good. Cattle, hogs good. Activities: Small grain seed bed preparation, overseeding pastures, hay harvest, fall vegetable harvest.

HAWAII: Hot, humid. Temperatures set record daily highs, September 24th, 25th, matched record high September 26th. Light trade winds 5 to 15 mph, contributed to hot, humid conditions. Typical trade wind showers fell windward areas, higher elevations. Irrigation continued major crop producing areas. Rainfall none to 0.80 in.

Days suitable for fieldwork 7.0. Island crops progressed well with beneficial weather. Insect spraying continued active to maintain crop progress. Watermelon season completed. Banana, papaya output seasonally increased. Cucumber harvest moderate to heavy.

IDAHO: Temperatures 2 to 10° above normal across State. Trace amounts of precipitation fell in south central, southwest.

Days suitable for fieldwork 7. Soil moisture 24% very short, 35% short, 41% adequate. Spring wheat 97% harvested, 99% 1990, 99% avg. Spring barley 98% harvested, 99% 1990, 98% avg. Potato good; 94% vines dying/killed, 22% harvested. Oats 98% harvested, 98% 1990, 98% avg. Third cutting alfalfa 64% complete, 73% 1990, 82% avg. Sugarbeet harvest 12% complete, 18% 1990, 12% avg. Apple harvest 25% complete, 30% 1990, 31% avg. Plum, prune harvest 100% complete, 100% 1990, 98% avg. Hops 98% harvested, 85% 1990, 95% avg. Onions 63% harvested, 71% 1990, 71% avg. Sweet corn harvest 95% complete. Dry bean harvest 67% complete, 91% 1990, 81% avg. Corn for silage harvest 40% complete. Corn for grain 5% harvested. Activities: Fall plowing, planting of winter wheat, harvesting of potatoes, dry beans, onions, sweet corn, sugarbeets. Irrigation water supplies good. Livestock good to excellent. Pasture, range conditions 76% of normal.

ILLINOIS: Temperatures 4 to 9° below normal across the State. Precipitation generally 0.10 to 0.25 in. across the State.

Days suitable for fieldwork 6.00. Soil moisture 60% short, 40% adequate. Sorghum turning color 97%, 77% 1990, 94% avg. Winter wheat emerged 2%, 0% 1990, 2% avg. Pasture condition as a % of normal, where 100% = normal, was 74%.

INDIANA: Temperatures 4 to 9° below normal. Highs low 60s to around 70. Lows upper 30s to upper 40s. Precipitation sparse, less than 0.25 in.

Days suitable for fieldwork 6.4. Topsoil 64% short, 36% adequate. Subsoil moisture 79% short, 21% adequate. Corn moisture content 20%, 27% 1990, 23% avg. Soybean moisture content 13%, 14.3% 1990, 14.3% avg. Soybeans turning color 100%, 87% 1990, 95% avg. Tobacco harvested 88%, 74% 1990, 87% avg. Winter wheat seeding 13%, 12% 1990, 16% avg. Silo filling 95%, 55% 1990, 82% avg. Pasture 54% of normal. Wheat acres plowed 50%, 47% 1990, 53% avg. Fall apple harvest 67%. Corn harvest at record pace, soybean harvest slightly below. Plowing of land, seeding for winter wheat, rye continues.

IOWA: Temperatures 4 to 8° below normal. Extremes 28°; 87°. Precipitation none to 0.72 in.; average 0.08 in. Some additional frost north 26th, 27th, and 28th.

Days suitable for fieldwork 6.4. Topsoil 41% short, 58% adequate, 1% surplus. Subsoil 40% short, 59% adequate, 1% surplus. Pasture condition 78% of normal. Soybeans 96% leaves turning color, 97% 1990, 99% avg. Winter wheat 37% planted, 37% 1990, 36% avg. Frost damage to corn 22% none, 57% limited, 16% moderate, 5% extensive. Frost damage to soybeans 5% none, 24% limited, 43% moderate, 28% extensive. Livestock in good to excellent condition.

KANSAS: Weather cool, dry. Temperatures 2° below normal west, 5° below central, 7° below east. Precipitation very light, scattered; 0.24 southeast; none to 0.08 in. elsewhere.

Days suitable for fieldwork 6.5. Surface moisture 90% short, 10% adequate. Subsurface

moisture 90% short, 10% adequate. Harvest of corn, sorghum, soybeans progressed rapidly; generally ahead of schedule. Wheat planting also progressed well; short moisture delaying germination, emergence. Range, pasture forage short; supplemental feeding underway. Stockwater short; some ranchers hauling water. Herd culling active; movement to feedlot, market steady.

KENTUCKY: Temperature 57°. High temperatures about 6° below seasonal mean, low temperatures about 5° below normal. Precipitation 0.60 in. Dix Dam, Grayson received more than 1.00 in.

Days suitable for fieldwork 4.8. Soil moisture 2% very short, 39% short, 58% adequate, 1% surplus. Burley tobacco 93% cut, 88% 1990, 90% avg. Stripped tobacco color, quality good, weight low. Recent rains benefitted double crop soybeans. Fall wheat seeding active.

LOUISIANA: Temperatures 4 to 6° below normal. Extremes 45°; 93°. Rainfall 0.41 in. west central, southwest to 2.75 in. north central.

Days suitable for fieldwork 4.6. Soil moisture 7% short, 81% adequate, 12% surplus. Hay 81% final cutting, 85% 1990, 85% avg. Rice 96% ripe, 98% 1990, 99% avg. Soybeans 43% leaves turning color, 78% 1990, 70% avg. Problems with insects, aerial blight continued, some cases severe. Sweet potatoes 61% fair, 39% good; 58% harvested, 62% 1990, 65% avg. Sugarcane 11% fair, 69% good, 20% excellent; 82% planted, 62% 1990, 81% avg. Grinding to began. Vegetables 17% poor, 58% fair, 25% good. Pastures 1% poor, 4% fair, 13% good, 82% excellent. Livestock 21% fair, 72% good, 7% excellent.

MARYLAND & DELAWARE: MARYLAND: Rainfall 1.81 in. Temperature 60.5°, normal 64.9°. Extremes 30°; 79°.

Days suitable for fieldwork 4.1. Topsoil 5% very short, 26% short, 53% adequate, 16% surplus. Subsoil 21% very short, 26% short, 48% adequate, 5% surplus. Field corn fair, soybeans, sorghum fair to good. Field corn 94% mature, 68% 1990, 73% avg.; 41% harvested for grain, 35% 1990, 35% avg.; 91% harvested for silage, 76% 1990, 82% avg. Soybeans 76% turned, 57% 1990, 59% avg.; 49% shedding leaves, 25% 1990, 29% avg. Sorghum 93% turned, N/A 1990, N/A avg.; 86% mature, N/A 1990, N/A avg. Lima beans 89% harvested, 97% 1990, 93% avg. Sweet potatoes 56% harvested, 39% 1990, N/A avg. Barley 20% seeded, 37% 1990, 25% avg. Rye 29% seeded, 33% 1990, 26% avg. Other hay second cut 85% complete, 100% 1990, 98% avg.; third cut 35% complete, 70% 1990, 77% avg.; fourth cut 14% complete, 19% 1990, N/A avg. Alfalfa fourth cut 59% complete, 64% 1990, 58% avg. Hay supplies short to adequate. Pasture very poor condition. Apples good, 58% harvested, 54% 1990, 52% avg. Activities: Harvesting hay, vegetables, tobacco; repairing fence; hauling manure; spreading fertilizer; maintaining machinery; caring for livestock.

DELAWARE: Precipitation 2.04 in. Temperature 62.5°, normal 65.8°. Extremes 43°; 78°.

Days suitable for fieldwork 4.2. Topsoil 14% short, 86% adequate. Subsoil 29% short, 71% adequate. Field corn, sorghum good, soybeans fair to good. Field corn 61% harvested for grain, 51% 1990, 40% avg. Soybeans 57% turned, 47% 1990, 45% avg.; 26% shedding leaves, 18% 1990, 15% avg. Sorghum 77% turned, N/A 1990, N/A avg.; 71% mature, N/A 1990, N/A avg.; 17% harvested, N/A 1990, N/A avg. Lima beans 77% harvested, 87% 1990, 77% avg. Other hay third

cut 93% complete, 92% 1990, 95% avg.; fourth cut 65% complete, N/A 1990, N/A avg. Alfalfa hay fourth cut 82% complete, 85% 1990, 81% avg. Hay supplies adequate. Pasture poor to fair. Apples good; 55% harvested, 64% 1990, 48% avg. Activities: Harvesting hay, vegetables; repairing fence; hauling manure; spreading fertilizer; maintaining machinery; caring for livestock.

MICHIGAN: Temperatures 6 to 11° below normal. Extremes 20°; 71°. Rainfall 0.11 to 1.58 in.

Days suitable for fieldwork 5.5. Soil moisture 35% short, 60% adequate, 5% surplus. Corn 85% mature, 20% 1990, 45% avg.; 15% harvested 2% 1990, 3% avg.; 1% very poor, 4% poor, 20% fair, 45% good, 30% excellent. Soybeans 90% dropping leaves, 65% 1990, 70% avg.; 15% harvested 1% 1990, 3% avg.; 1% very poor, 4% poor, 20% fair, 45% good, 30% excellent. Winter wheat 45% planted, 35% 1990, 30% avg. Pasture condition 75% of normal. Activities: Hay making, preparing ground for winter wheat, harvesting corn, soybeans, dry beans, sugarbeets, picking apples, repairing, storing equipment, making cider.

MINNESOTA: Temperatures 6 to 9° below normal. Extremes 23°; 74°. Precipitation 0.11 to 0.98.

Days suitable for fieldwork 4.2. Topsoil 1% very short, 1% short, 79% adequate, 19% surplus. Field corn 85% mature, 77% 1990, 81% avg.; 10% picked/combined, 3% 1990, 11% avg.; 74% silage cut 53% 1990, 61% avg.; 26% moisture N/A 1990, N/A avg.; 6% stubble plowed, N/A 1990, N/A avg. Soybeans 73% mature, 60% 1990, 74% avg.; 22% combined, 17% 1990, 29% avg.; 14% moisture, N/A 1990, N/A avg.; 4% stubble plowed, N/A 1990, N/A avg. Dry beans 93% harvested, 92% 1990, 76% avg. Potatoes 61% harvested, 60% 1990, 64% avg. Flax 89% harvested, 91% 1990, 82% avg. Sugarbeets 11% harvested 8% 1990, 11% avg. Sunflowers 20% harvested, 15% 1990, 18% avg. Sweet corn 99% harvested, 99% 1990, 98% avg. Winter wheat 94% seeded, 87% 1990, 91% avg. Rye 88% seeded, 90% 1990, 90% avg. Hay, small grain 74% stubble plowed/tilled, 71% 1990, 69% avg. Field corn 5% poor, 33% fair, 55% good, 7% excellent. Soybeans 4% very poor, 11% poor, 38% fair, 38% good, 9% excellent.

MISSISSIPPI: Temperatures 67°, 5.7 below normal. Extremes 37°; 91°. Showers statewide. Rainfall 1.91 in., which is 1.03 above normal. Soil temperature 73°.

Days suitable for fieldwork 3.7, 6.4 1990, 6.0 avg. Soil moisture 9% short, 61% adequate, 27% surplus, 3% excessive. Corn 94% mature, 98% 1990, 96% avg.; 65% harvest, 73% 1990, 74% avg.; silage harvest 92%, 99% 1990, 98% avg.; 8% poor, 63% fair, 28% good, 1% excellent. Cotton open bolls 86%, 98% 1990, 94% avg.; 18% harvest, 38% 1990, 36% avg.; 35% fair, 61% good, 4% excellent. Peanuts 76% harvest, 84% 1990, 79% avg. Rice 75% mature, 86% 1990, 94% avg.; 38% harvest, 55% 1990, 71% avg.; 58% fair, 42% good. Sorghum 88% mature, 89% 1990, 93% avg.; 61% harvest, 77% 1990, 80% avg.; 86% silage harvested, 94% 1990, 91% avg.; 1% poor, 63% fair, 36% good. Soybeans 58% coloring, 71% 1990, 70% avg.; 26% shedding leaves, 43% 1990, 46% avg.; 4% harvest, 11% 1990, 9% avg.; 28% fair, 72% good. Sweet potatoes 49% harvest, 59% 1990, 56% avg. Wheat planted 13%, 9% 1990, 11% avg.; 4% emerged, 8% 1990, 6% avg.; 68% fair, 32% good. Hay 94% harvested, 91% 1990, 91% avg. Pecans 2% very poor, 30% poor, 29% fair, 24% good, 15% excellent. Livestock 11% fair, 74% good, 15% excellent. Pasture 92% of normal. Activities: Preparation for harvesting of crops, planting wheat, winter grazing.

MISSOURI: Temperatures 6° below normal St. Louis to 14° below normal southwest. Rainfall less 0.25 in., ranging virtually none northwest, north central to 0.56 in. southeast.

Days suitable for fieldwork 5.7. Topsoil 49% short, 50% adequate, 1% surplus. Corn mature ranges 87% northeast district to virtually complete elsewhere. Corn harvested varies less than 50% northern districts to 89% southeastern district. Frost damage to soybeans, 68% light to none, 24% moderate, 8% heavy, mostly confined to northern districts. Soybeans mature 41%, 21% 1990, 34% avg. Maturity ranges 13% southwest, 19% southeast, to 63% northwest. Soybeans harvested less than 5% southwest, southeast districts to 16% northeast district. Sorghum mature ranges about 50% complete northeast, east central, southwest districts to around 85% complete northwest, north central, southeast. Sorghum harvested ranges 10% east central, northeast to 51% southeast. Pasture 5% very poor, 27% poor, 48% fair, 20% good.

MONTANA: Temperatures 2° below normal some areas east, 2 to 6° above normal elsewhere. Up to 0.5 in. rain early in week south central, east. Elsewhere, precipitation light, scattered.

Days suitable for fieldwork 6.3. Topsoil 41% short, 57% adequate, 2% surplus. Subsoil 54% short, 44% adequate, 2% surplus. Winter wheat emerged 20%, 33% 1990, 25% avg. Spring wheat harvested 98%, 99% 1990, 96% avg. Barley harvested 98%, 99% 1990, 95% avg. Oats harvested 98%, 99% 1990, 96% avg. Potatoes harvested 20%, 26% 1990, 32% avg. Sugarbeets harvested 6%, 7% 1990, 7% avg. Dry beans harvested 96%, 78% 1990, 77% avg. Corn silage harvested 62%, 74% 1990, 77% avg. Pasture, range feed condition 90% of normal.

NEBRASKA: Temperatures 4° below normal in the northeast to 1° above normal in the northwest. Precipitation less than 0.10 in. throughout the State.

Days suitable for fieldwork 6.9. Topsoil 81% short, 19% adequate. Subsoil moisture 82% short, 18% adequate. Corn 4% very poor, 5% poor, 29% fair, 55% good, 7% excellent; 29% harvested, 14% 1990, 13% avg. Sorghum 21% very poor, 11% poor, 35% fair, 30% good, 3% excellent; 35% harvested, 8% 1990, 13% avg. Soybean 5% very poor, 17% poor, 51% fair, 24% good, 3% excellent; 38% harvested, 21% 1990, 17% avg. Wheat sown 87%, 81% 1990, 83% avg.; 43% emerged, 40% 1990, 51% avg. Pasture, range 68% of normal. Supplemental feeding of cattle on pastures. Cattle onto stalk fields as available.

NEVADA: Temperatures above normal. Extremes 17°; 104°. Precipitation none to 0.35. High pressure started the week dry. Upper low pressure system midweek brought scattered showers over most areas. Most moisture fell in northeast areas.

Harvest of alfalfa seed, potatoes, onions, corn silage, and late alfalfa continuing. Planting of garlic, winter wheat underway. Garlic seed short in some areas due to winter kill, drought effects on this years crop. Livestock movement to winter ranges in progress.

NEW ENGLAND: Precipitation 2.00 to 5.05 in. south, up to 6.40 in. Connecticut; 1.15 to 3.80 in. north. Temperatures mid 40s to high 50s; 2° to 6° below normal. Maximum temperatures low 60s to mid 70s; minimum temperatures mid 20s to low 40s.

Days suitable for fieldwork 4.4. Soil moisture 6% short, 63% adequate, 31% surplus. Grazing availability 27% short, 60% adequate, 13% surplus. Fieldwork 3.0 days ahead of schedule. Maine potatoes 55% harvested, 49% 1990, 47% avg.; fair to good. Rhode Island potatoes 78% harvested, 86% 1990, 77% avg.; fair. Connecticut Valley potatoes 72% harvested, 62% 1990, 54% avg.; fair to good. Maine oats 100% harvested, 100% 1990, 90% avg.; good. Field corn 52% harvested, 39% 1990, 43% avg.; fair to good. Sweet corn 97% harvested, 96% 1990, 100% avg.; fair to good. Second cut hay 97% complete, fair to good. Third cut hay 72% complete, 74% 1990, 71% avg.; good. Apples 64% harvested, 58% 1990, 56% avg.; size small to medium, fair to good. Peaches 100% harvested, size small to medium, fair to good. Pears 95% harvested, size small to medium, fair to good. Cranberry harvest 40% complete, berry size small to average, good. Major farm activities: cutting hay, controlling weeds, insects, harvesting apples, peaches, vegetables, potatoes, field corn, planting cover crops.

NEW JERSEY: Temperatures below normal. Extremes 29°; 84°. Rainfall 3.22 in. north, 2.51 in. central, 2.02 in. south. Heaviest 24 hour total 3.30 in. on 24th, 25th. Estimated soil moisture percent of capacity, 95% north, 91% central, 89% south. Four inch soil temperature averaged 57° north, 60° central, 62° south.

Soil moisture much improved. Late season crops well advanced. Harvest of corn, soybeans active. Irish potato digging active. Fall variety apple harvest in progress. Cranberry harvest increased. Pasture growth slow due to cool temperatures.

NEW MEXICO: Dry, cool weather prevailed as a high pressure center stalled over the State. Eastern plains 4 to 8° below normal, while elsewhere readings 1 to 3° cooler than normal. Only a few mountain stations reported measurable rainfall of near 0.10 inch or less.

Days suitable for fieldwork 6.2. Soil moisture 7% short, 89% adequate, 4% surplus. Crop conditions: alfalfa 7% poor, 29% fair, 60% good, 4% excellent. Corn 6% very poor, 13% fair, 75% good, 6% excellent; 79% of corn silage harvested. Wheat planting 91% complete. Irrigated wheat 42% fair, 58% good. Dryland wheat 33% fair, 67% good. Chile 9% poor, 27% fair, 64% good with harvest progressing under dryer weather conditions. Lettuce, onions good with some lettuce harvest started. Pecans fair to good. Cattle, sheep fair to excellent. Range 95% of normal, low of 70, high of 150.

NEW YORK: Wet week. Rain fell on 23rd, 24th, 25th, with most locations receiving better than an inch. Some eastern areas received over 2.00 inches. Lake effect thunderstorms accounted for greater than 1.00 inch near Buffalo on the 26th. Weather was unseasonably cold. Temperatures 5 to 6° below normal. Extremes 26°; 73°. Frost was common the morning of the 28th.

Days suitable for fieldwork 5.0. Soil moisture short to adequate. Pasture conditions 57% of normal. Corn silage harvest 58% finished, 32% 1990, 30% avg. Corn grain harvest underway. Potato harvest 77% complete. Dry beans 35% harvested, yields lower than usual. Third cutting of alfalfa 81% complete, 82% 1990, 71% avg. Apple picking in the Champlain Valley was well past the mid point. In the Lake Ontario region many important varieties were at or nearing maturity. Vegetable harvest winding down. Only late season crops remain for harvest. Most onions were harvested. Only late varieties are left in some areas.

NORTH CAROLINA: Temperatures 3 to 5° below normal. Precipitation 0.23 to 3.66 in.

Days suitable for fieldwork 5.1. Soil moisture 18% short, 67% adequate, 15% surplus. Crop condition: Cotton 19% fair, 79% good, 2% excellent; peanuts 28% fair, 72% good; soybeans 2% poor, 26% fair, 72% good; Sweetpotatoes 29% fair, 71% good; sorghum 32% fair, 66% good, 2% excellent; Pasture 1% poor, 37% fair, 61% good, 1% excellent. Harvested: Flue cured tobacco 93%; burley tobacco 93%; Corn silage 88%; Corn for Grain 69%; sorghum for grain 48%; sweet potatoes 24%; apples 79%; peanuts dug 25%; Peanuts threshed 10%; cotton 11%. Cotton opening bolls 95%; soybeans dropping leaves 28%. Planted: wheat 9%; oats 12%; barley 7%; rye 14%. Activities: Harvesting tobacco, corn, sorghum, sweet potatoes, truck crops, apples, peanuts, hay; harvesting, defoliating cotton; planting small grains. Other activities: Land preparation; tending livestock; equipment repair; general farm maintenance.

NORTH DAKOTA: Temperatures 7° below normal northeast, east central to 3° below normal northwest, southwest. Extremes 23° northeast; 79° southwest, south central. Precipitation 0.04 in. north central to 0.81 in. northeast.

Days suitable for fieldwork 6.3. Topsoil 16% very short, 30% short, 54% adequate. Subsoil 32% very short, 46% short, 22% adequate. Corn for grain 42% harvested, 3% 1990, 11% avg. Corn for silage 97% cut, 86% 1990, 80% avg. Sunflower 13% harvested, 8% 1990, 9% avg. Flax 95% combined, 95% 1990, 79% avg. Potatoes 74% dug, 73% 1990, 78% avg. Soybeans 64% combined, 33% 1990, 38% avg. Dry edible beans 95% combined, 87% 1990, 72% avg. Sugarbeets 27% fair, 73% good; 12% lifted, 9% 1990, 12% avg. Winter wheat 88% planted, 91% 1990, 88% avg. Rye 92% planted, 89% 1990, 88% avg. Pasture 74% of normal. Stockwater supplies 6% very short, 54% short, 40% adequate.

OHIO: Daily high temperatures 60 to 70° with low temperatures mostly in the mid 30s to the mid 40s. Distribution of rainfall varied widely. Rainfall none to less than 0.25 in. of precipitation in western areas. Eastern areas 0.25 in. to 0.50 in. Far eastern, southern portions 1.00 in. to approximately 2.00 in. Light to heavy scattered frost was 26th night in central, southern areas.

Days suitable for fieldwork 5.9. Soil moisture 47% short, 50% adequate, 3% surplus. Pastures 18% very poor, 26% poor, 33% fair, 21% good, 2% excellent. Tomato harvest 92%, 68% 1990, 85% avg. Potato harvest 70%, 51% 1990, 60% avg. Third cut alfalfa 100%, 89% 1990, 89% avg. Fourth cut alfalfa 29%, 0% 1990, 0% avg. Third cut other hay 85%, 62% 1990, 62% avg. Fourth cut other hay 15%, 0% 1990, 0% avg. Corn for silage 91%, 38% 1990, 56% avg. Activities: harvesting corn, soybeans, potatoes, chopping corn for silage, filling silos; making late hay; fall tillage; repairing machinery; weed control.

OKLAHOMA: Temperatures 3° below normal Panhandle to 12° below normal southeast. Precipitation 0.01 in. Panhandle to 0.38 in. south central.

Days suitable for fieldwork 4.0. Topsoil 17% short, 49% adequate, 34% surplus. Subsoil 18% short, 82% adequate. Wheat 53% planted, 35% 1990, 49% avg.; 20% up to stand, 10% 1990, 19% avg. Cotton 42% open bolls, 60% 1990, 49% avg.; 1% harvested, 3% 1990, 2% avg. Cotton good. Sorghum 33% mature, 60% 1990, 50% avg.; 8% harvested, 3% 1990, 11% avg. Sorghum good.

Soybeans 37% mature, 19% 1990, 41% avg.; 15% harvested, 1% 1990, 8% avg. Peanuts 72% mature, 55% 1990, 66% avg.; 2% harvested, 5% 1990, 6% avg. Corn 87% harvested, 63% 1990, 80% avg. Pasture condition 101%. Crop insect activity light to moderate. Cattle good; marketings average; prices higher.

OREGON: Temperatures above normal. Coastal temperatures, 0 to 5° above normal. Western areas temperatures 5 to 10° above normal. Eastern areas 2 to 5° above normal. Eastern areas 0.10 in. rainfall on 27th. Columbia Basin, northeastern mountains 0.25 to 0.50 rainfall on 28th. Western areas only trace.

Soil moisture 84% short, 16% adequate. Barley harvest concluding. 1992 winter wheat planted, 26%. 1992 winter wheat emerged, 5%. 1992 barley planted, 8%. Hay harvest finishing. Corn silage harvest starting, field corn beginning in Willamette Valley. Field preparation, seeding continued throughout State. Cranberry harvest began, coast. Winter pear harvest going well in southern Willamette Valley. Anjou pear harvest starting, Hood River Valley. Apple harvest underway in most areas. Blueberry harvest continued. Harvest of blackberries, Thornless Evergreen, continued; market strong. Sweet corn, tomatoes, pole beans, table beet harvest continued, western areas. Potato, seed potato harvest continues, statewide. Sweet corn harvest winding down. Onion harvest continued, Malheur County. Carrots, lima beans for processing continued, Hermiston area. Livestock mostly good to excellent. Water shortage problems in eastern areas. Pinkeye reported, dust, dry grass. Early yearling, weanings shippings common. Early weanings common. Statewide range, pasture, 13% poor, 36% fair, 45% good, 6% excellent.

PENNSYLVANIA: Cool, wet week across Commonwealth. Temperature 52°, 10° below normal. Extremes 27°; 79°. Precipitation 1.10 in., 0.26 in. above normal.

Days suitable for fieldwork 4. Soil moisture 68% short, 26% adequate, 6% surplus. Corn 100% dough, 96% 1990, 97% avg.; 88% dent, 68% 1990, 76% avg.; 49% mature, 18% 1990, 30% avg.; 11% harvested, 2% 1990, 4% avg. Ensilage corn harvested 72% complete, 26% 1990. Corn crop 19% very poor, 27% poor, 32% fair, 19% good, 3% excellent. Soybean harvest 4% complete, 1% 1990; 12% very poor, 21% poor, 36% fair, 27% good, 4% excellent. Wheat planted 39% complete, 27% 1990. Barley planted 50% complete, 47% 1990. Tobacco harvest 99% complete, 97% 1990. Potato harvest 75% complete, 57% 1990. Third cutting alfalfa 85% complete, 69% 1990. Fourth cutting alfalfa 49% complete, 43% 1990. Second cutting clover-timothy 99% complete, 89% 1990. Feed from pastures 27% very poor, 33% poor, 31% fair, 9% good. Quality of hay made mostly fair. Apple harvest 49% complete, 45% 1990. Peach harvest 100% complete, 98% 1990. Grapes harvest 76% complete, 53% 1990. Fall plowing 63% complete, 55% 1990. Activities: Repairing fence; hauling manure; harvesting hay, potatoes, fruits, corn silage, corn; maintaining machinery; caring for livestock; fall plowing, planting.

PUERTO RICO: Island rainfall of 1.56 in., 0.29 in. below normal. Highest rainfall 4.73 in. at Dos Bocas Arecibo, 4.36 in. at San Sebastian, 3.39 in. at Pico Del Este Luquillo. Highest 24-hour rainfall 2.45 in. at Guayama. Divisional temperatures 81 to 82° on the coast, 75 to 78° in the Interior. Mean station temperatures 66.6° at Pico Del Este Luquillo, 83.5° at Guayama. Extremes 58°; 94°.

SOUTH CAROLINA: Temperatures 4° below normal upstate to near normal along coast. Rainfall 0.50 inches in the south to 1.20 inches in the north central.

Days suitable for fieldwork 5.2. Soil moisture 2% very short, 58% short, 40% adequate. Apples good; 90% harvested, 90% 1990, 68% avg. Corn fair to good; 91% harvested, 90% 1990, 79% avg. Cotton 73% fair; 27% good; 87% open bolls, 86% 1990, 83% avg.; 11% harvested, 25% 1990, 13% avg. Fall hay fair to good; 74% harvested, 60% 1990, 70% avg. Peanuts fair to good; 37% harvested; 22% 1990, 18% avg. Sorghum fair to good; 50% harvested, 55% 1990, 41% avg. Soybeans 43% fair, 57% good; 39% leaves turning, 27% 1990, 31% avg.; 14% shedding leaves, 5% 1990, 11% avg. Sweet potatoes fair to good; 56% harvested, 41% 1990, 32% avg. Tobacco 75% stalks destroyed, 51% 1990, 54% avg. Winter grazing fair to good, 32% planted, 29% 1990, 35% avg.; 18% emerged, 12% 1990, 20% avg. Pastures fair to good. Livestock good.

SOUTH DAKOTA: Temperatures 5° below normal in the east to 5° above normal west. Extremes 24°; 96°. Rainfall was widespread in the east, spotty central, west. Maximum 0.68 in.

Days suitable for fieldwork 5.6. Topsoil 30% critical, 35% short, 34% adequate, 1% surplus. Subsoil 31% critical, 44% short, 24% adequate, 1% surplus. Sunflowers 1% very poor, 40% fair, 49% good, 10% excellent. Livestock 1% poor 4% fair, 80% good, 15% excellent. Pasture conditions 82% of normal.

TENNESSEE: Weak frontal system early week accompanied by widespread rainfall. Surge of cool, dry air midweek, unseasonably cool temperatures. Warming returned over weekend. Temperatures 6 to 11° below normal. Precipitation above normal most sections, except west.

Days suitable for fieldwork 4.4. Soil moisture 1% very short, 17% short, 79% adequate, 3% surplus. Corn 86% mature, 86% 1990, 92% avg.; 84% harvested silage, 72% 1990, 89% avg.; 48% harvested grain, 37% 1990, 46% avg. Cotton 84% open bolls, 87% 1990, 87% avg.; 4% very poor, 6% poor, 58% fair, 32% good. Sorghum 80% mature, 83% 1990, 89% avg.; 32% harvested, 28% 1990, 61% avg. Soybeans 28% shedding leaves, 34% 1990, 48% avg.; 14% mature, 15% 1990, 20% avg.; 2% harvested, 2% 1990, 2% avg.; 2% poor, 54% fair, 37% good, 7% excellent. Burley tobacco 94% harvested, 91% 1990, 93% avg. Dark fired tobacco 94% harvested, 91% 1990, 93% avg. Dark air cured tobacco 82% harvested, 73% 1990, 89% avg. Pastures 2% very poor, 2% poor, 33% fair, 60% good, 3% excellent. Cattle 12% fair, 85% good, 3% excellent.

TEXAS: Week characterized by damp, cool weather following previous weeks cold front. Moisture conditions in South Texas improved. Wet soil conditions delayed small grain planting, moisture needed most parts of Central Texas. Harvest operations, however, further delayed by wet conditions. Hay baling winding down; however, some producers will try for final cutting. Fall forage growth off to a good start with excellent moisture. Cattle prices remained fairly good.

Crops: Corn harvest continued on an intermittent basis in High Plains, rain delayed progress. Cool, wet conditions on High Plains continued to setback sorghum maturity. Cloudy, cool temperatures remained counter productive most cotton fields on Plains. Late planted cotton fields setback by

recent rain, insect infestation. Warmer temperatures needed to improve development. Early early planted small grains up to good stand. Some armyworm infestations continued to cause damage. Soybean harvest continued in areas where conditions permitted. Limited peanut harvest began in Blacklands. Harvest delayed in some fields that were dug up. High infestation of southern blight, leafspot continued in many fields. Statewide peanut condition 83% of normal.

Commercial Vegetables: East Texas, sweet potato harvest continued on limited basis. Trans Pecos, red chile pepper harvest continued. Early pecan varieties continued to mature. Some shuck split, nut crack occurred. Early harvest began in some parts of State.

Range and Livestock: Moisture provided good growth for late season summer grasses. Winter pastures have started to emerge. Livestock good. Stockwater levels adequate most areas.

UTAH: Temperature maximums 4° above normal, minimums approximated normal. Very light precipitation south central region; none anywhere else.

Days suitable for fieldwork 6.6. Soil moisture 20% short, 80% adequate. Winter wheat seeding 81% complete, 63% 1990, 72% avg. Corn 88% dent; 44% mature, 74% 1990, 68% avg.; for grain 7% harvested, 15% 1990, 12% avg.; corn silage 54% harvested, 63% 1990, 69% avg. Alfalfa third cutting 83% complete, 91% 1990, 85% avg.; fourth cutting 30% complete, 70% 1990, 55% avg. Alfalfa seed harvest 68% complete, 78% 1990, 50% avg. Potatoes 57% harvested, 36% 1990, 44% avg. Dry onions 64% harvested, 77% 1990, 70% avg. Pasture, range mostly good to excellent. Apples 53% harvested, 34% 1990, 45% avg. Cattle moved from summer range 32% complete, 43% 1990, 34% avg. Sheep moved from summer range 30% complete, 55% 1990, 40% avg.

VIRGINIA: Temperatures below normal. Extremes 30°; 84°. A couple of low pressure systems produced above normal rainfall over the State except in the west, southwest.

Days suitable for fieldwork 5.0. Topsoil 24% very short, 32% short, 40% adequate, 4% surplus. Corn mature 94%, 88% 1990, 84% avg. Corn silage 87% harvested, 82% 1990, 75% avg. Corn for grain 60% harvested, 43% 1990, 44% avg. Soybean 19% poor, 67% fair, 14% good; 3% harvested, 1% 1990, 1% avg. Peanut 20% fair, 60% good, 20% excellent; 40% dug, 28% 1990, 12% avg.; 28% combined, 15% 1990, 6% avg. Flue tobacco 88% harvested, 86% 1990, 75% avg. Fire tobacco 99% harvested, 100% 1990, 86% avg. Burley tobacco 90% harvested, 80% 1990, 81% avg. Sun tobacco 98% harvested, 94% 1990, 94% avg. Apple harvest nearly half completed, sweet potato harvest continued. Wheat seeded 7%, 7% 1990, 5% avg. Oats seeded 26%, 25% 1990, 19% avg. Barley seeded 13%, 16% 1990, 16% avg. Pasture 23% very poor, 28% poor, 35% fair, 12% good, 2% excellent. Harvesting broccoli, cabbage, cucumbers, snap beans, peppers. Cotton harvest just beginning.

WASHINGTON: Temperatures 5° above normal to 1° below normal, east; 5° above normal to 2° above normal, west. Precipitation none.

Days suitable for fieldwork 7. Soil moisture 57% short, 43% adequate. Hay, other roughage 7% short, 84% adequate, 9% surplus. Irrigation water 100% short. Range, pasture 58% poor, 42% fair. Winter wheat 40% fair, 60% good. Potatoes 100% good. Dry beans 100% good. Corn 100% good. Winter Wheat 59% planted, 39% emerged. Potatoes 45% harvested. Corn for grain 3% harvested. Alfalfa hay, third cutting 93%.

Seeding of fall grain crops continued in the eastern portion of the State; however, a shortage of moisture was slowing progress. Some areas were planting in dust in hopes of moisture. Harvests of carrots and sweet corn are in progress in central areas. Hop, mint harvests continued in Benton County. Golden Delicious apple harvest was in full swing in the apple producing areas of the State. Red Delicious apple harvest started and was heading for full swing. Cool nights, warm days have provided good conditions for fruit development throughout the State. Cattle were being brought out of mountain ranges.

WEST VIRGINIA: Temperature 56°. Extremes 30°, 82°. Precipitation 0.42 in.

Days suitable for fieldwork 4.5. Soil moisture 25% very short, 29% short, 46% adequate. Corn 3% very poor, 47% poor, 19% fair, 31% good; 100% dough stage; 91% mature; 56% harvested. Tobacco, good; 89% harvested. Hay, 46% poor, 36% fair, 18% good; 84% second cutting, 86% third cutting. Wheat, 8% sown. Apples poor, 50% harvested. Pastures, 46% very poor, 5% poor, 33% fair, 16% good; 54% of normal. Cattle, good. Sheep, good. Activities: Corn, tobacco, apple harvest; fencing, cutting hay, clipping pastures, chopping silage.

WISCONSIN: Temperature 45°, 10° below normal. Extremes 19°; 70°. Rainfall 0.10 to 0.50 in.

Days suitable for fieldwork 5.1. Soil moisture 7% short, 70% adequate, 23% surplus. Pasture 76% of normal, 88% 1990, 79% avg. General condition of crops 2% poor, 12% fair, 78% good, 8% excellent. Corn 4% poor, 9% fair, 72% good, 15% excellent; mature 86%, 39% 1990, 64% avg.; harvested 10%, 2% 1990, 6% avg.; silo filling 58% complete, 22% 1990, 44% avg. Soybean 4% poor, 9% fair, 79% good; 8% excellent. Soybean leaves 82% shed, 45% 1990, 58% avg. Third crop hay 79% harvested, 69% 1990, 72% avg. Fall tillage 9%, 9% 1990, 12% avg.

WYOMING: Temperatures near normal; slightly above normal west, slightly below normal east. Precipitation well below normal.

Days suitable for fieldwork 6.3. Topsoil 28% short, 67% adequate, 5% surplus. Dry beans virtually all windrowed, 95% 1990, 80% avg.; 80% combined, 70% 1990, 65% avg. Corn 5% dough, 5% 1990, 5% avg.; 35% dented, 35% 1990, 40% avg.; 45% mature, 45% 1990, 50% avg.; 15% harvested, 15% 1990, 5% avg. Corn silage 80% harvested, 70% 1990, 75% avg. Sugarbeets 15% dug, 10% 1990, 15% avg. Potatoes 45% harvested, 60% 1990, 55% avg. 1992 winter wheat 90% planted, 90% 1990, 85% avg.; 35% emerged, 55% 1990, 50% avg.; mostly fair to good. Ranges, pastures good to excellent. Prospect for grazing: Fall good to excellent; Winter mostly good to excellent. Stockwater supplies 7% short, 93% adequate.

International Weather and Crop Summary

HIGHLIGHTS

September 22 - 28, 1991

USSR ... In Western USSR, favorable weather promotes fieldwork in most areas. In the New Lands, spring grains harvesting nears completion.

EUROPE ... Locally heavy rain disrupts corn harvesting in France and sugarbeet harvesting in the northwest. Moisture is generally adequate for winter crop planting throughout the region.

EASTERN ASIA ... Scattered showers delay summer crop harvesting in northern and central China, while dry weather aids maturing rice in the south. Tropical storms cause flooding in Taiwan and Japan.

SOUTHEAST ASIA ... Widespread showers continue over Indochina, flooding rice fields near Bangkok. Java is still dry.

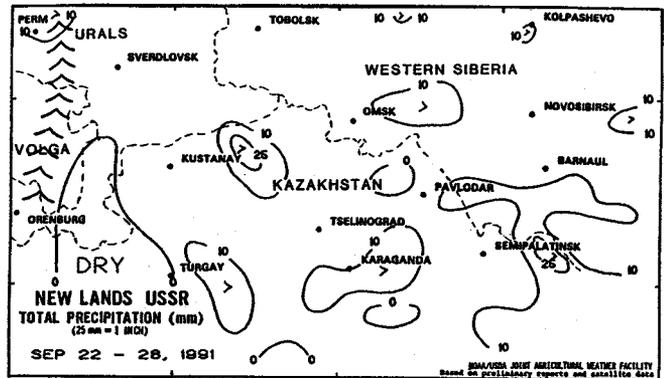
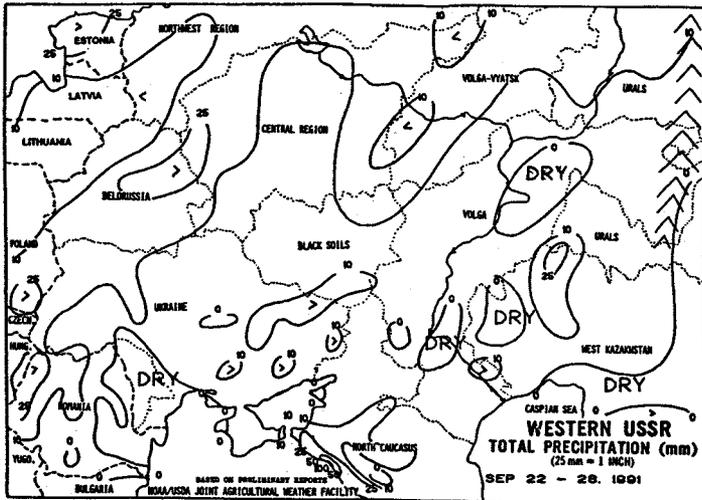
SOUTH ASIA ... Showers improve fall planting prospects in southern and eastern India.

SOUTH AMERICA ... Scattered rains favor corn germination and coffee flowering in southern Brazil. In Argentina, rainfall is needed for winter wheat development.

AUSTRALIA ... Winter wheat conditions decline further as dryness continues in Queensland. Western winter grain areas are becoming dry.

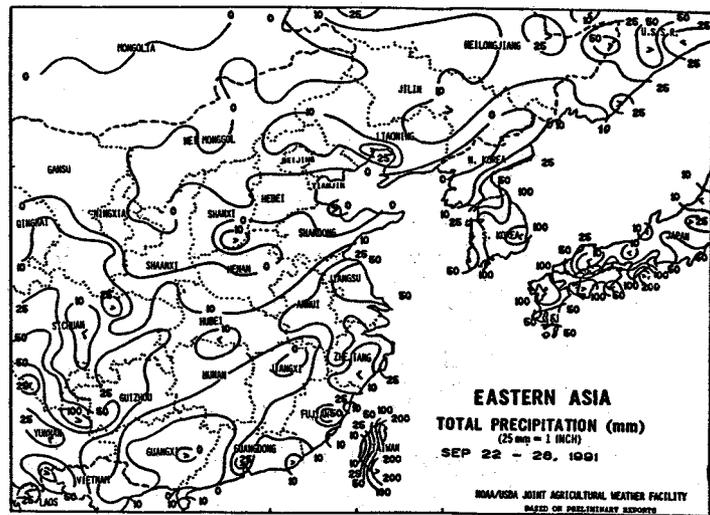
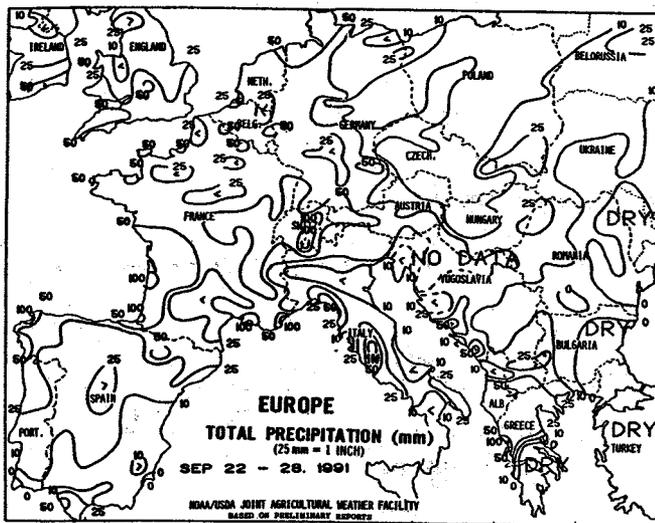
CANADA ... Dry weather allows final grain and oilseed harvests in Alberta and Saskatchewan.

MEXICO ... Drier weather aids summer crop harvesting, while heavy rains cause flooding along the east coast.



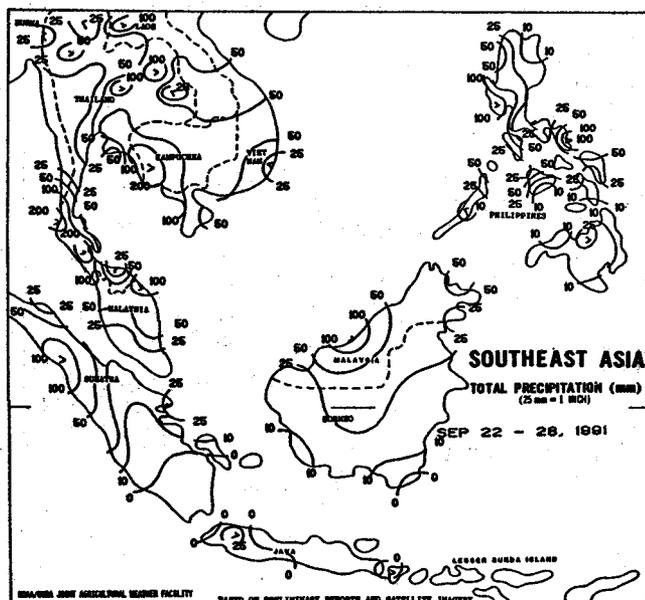
USSR ... A favorable weather pattern prevailed across Western USSR. Mostly light showers (less than 10mm) across the central and southern Ukraine, northern North Caucasus, Black Soils Region, and the Volga Valley promoted corn, sunflower, and sugarbeet harvesting as well as winter grain planting. Heavier showers (10-30mm) in the extreme western Ukraine, Belorussia, and across northern crop areas promoted emergence of winter grains. However, frequent moisture has slowed progress of sugarbeet harvesting from the Baltics to the Western Ukraine. Weekly temperatures averaged 2-4 degrees Celsius (C) above normal across the region, favoring fieldwork where soil conditions permitted.

In the New Lands, showers diminished in most crop areas, allowing spring grain harvesting to progress toward completion. Weekly rainfall averaged 1-10mm, with isolated heavier amounts (11-25mm) scattered across central and southeastern portions of the region. Dry weather prevailed in the southern Urals, promoting final harvest activities in the southwest. Weekly temperatures averaged 2-5 degrees above normal, which also favored late-season fieldwork. In south-central USSR cotton areas, the first substantial rain since last spring fell in Tadzikistan, with weekly totals of 10-25mm slowing the cotton harvest. Elsewhere, showers were mostly light (1-5mm), except for 8-13mm amounts in far eastern cotton areas of Uzbekistan.

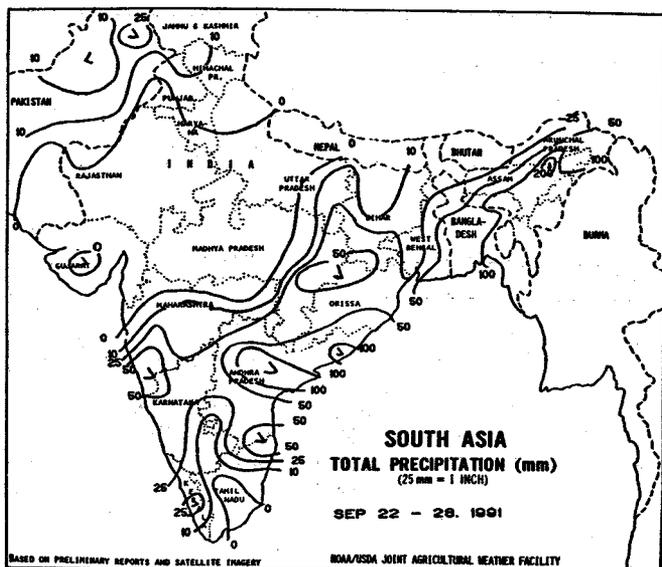


EUROPE ... Widespread, locally heavy rain disrupted fieldwork in the west, while mostly light showers caused few harvest delays in the east. Soaking rain (50-113mm) halted corn and other summer crop harvesting across southern France. Frequent storms produced 25-50mm or more from southern England to northern Spain, and from western Germany to Italy and Greece. The wetness hampered sugarbeet harvesting in the northwest but provided topsoil moisture for winter wheat establishment. Somewhat drier weather prevailed further to the east. Mostly light showers (10mm or less) in Poland and Czechoslovakia allowed some harvest progress. Scattered heavier rainfall amounts (10-40mm) added topsoil moisture for winter crop planting throughout eastern Europe. Weekly temperatures averaged 1-4 degrees C above normal throughout the continent.

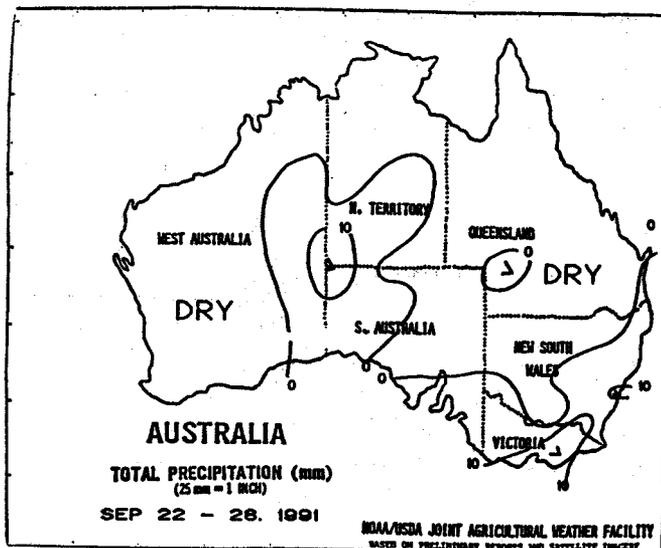
EASTERN ASIA ... Typhoon Mireille struck southwestern Japan on September 27, with sustained winds of 90-100 knots (104-115mph). Heavy rain (50-150mm) flooded southern Japan, with only light to moderate rain (10-50mm) along the west coast. This has been the fourth tropical storm to affect Japan this month. While this is the peak typhoon season for Japan, the storm track seems to be further north than usual this year. Light to moderate rain (10-26mm) fell across the main crop regions of Manchuria, delaying corn and soybean harvesting. Scattered rains (7-27mm) caused minor harvest delays to summer crops throughout the North China Plain. Soil moisture remains spotty for North China Plain winter wheat where planting is underway. Light to moderate rain (14-75mm) fell across the lower Yangtze Valley, delaying summer crop harvesting. Dry conditions continued to favor late double-crop rice in interior southern China. Tropical Storm Nat brushed southern Taiwan, producing 100-300mm of rain and causing widespread flooding due to 2 consecutive weeks of heavy rains.



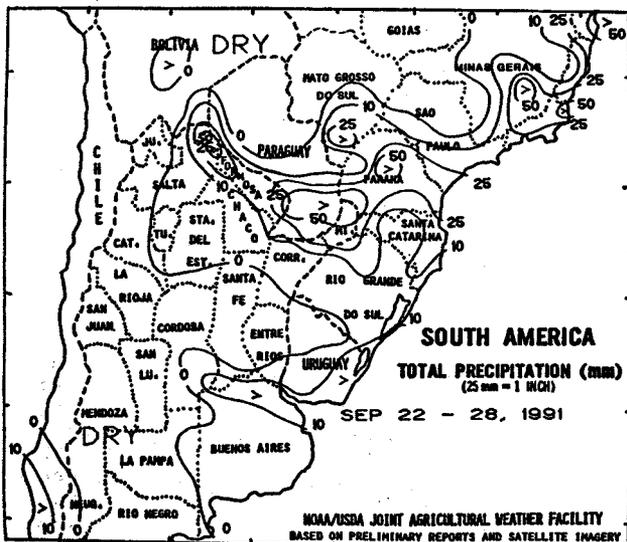
SOUTHEAST ASIA ... Heavy showers (100-200mm or more) covered a large area from Bangkok, Thailand, southeastward to the Mekong Delta in Vietnam, increasing irrigation reserves for dry season rice but causing some flooding. Heavy rain (100-191mm) also fell along the west coast of peninsular Thailand and local areas of the Khorat Plateau. Further south, showers (15-100mm) increased somewhat over Malaysia and northern Indonesia; but Java's drought continued. In the Philippines, light to moderate showers (10-50mm or more) covered many primary crop regions, the exceptions being Luzon's Cagayan Valley and southern Visayan islands. Heavy showers (100-160mm) continued in western Luzon. Except for the northwestern Philippines, more rain would be welcome for upcoming fall grain plantings.



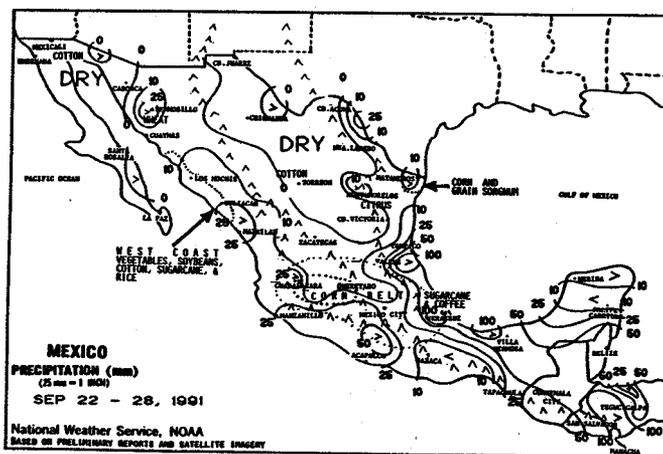
SOUTH ASIA ... Beneficial planting rains (17-50mm or more) continued over India's southern interior, with local areas receiving as much as 145mm. In the east, rainfall ranged from 15 to 50mm in rice areas from Orissa and southern Bihar to Assam, further increasing irrigation reserves for dry season crops. Seasonably dry, warm weather in central and northwestern India benefited maturing summer crops and allowed early fieldwork in northern winter wheat areas. Scattered showers (5-34mm) in Pakistan boosted local irrigation reserves for upcoming wheat planting.



AUSTRALIA ... Little or no rain fell in southern Queensland and northern New South Wales, as winter wheat conditions further declined. To the south, light rains fell, keeping moisture adequate for reproductive to grain-filling winter wheat. Dry and warm conditions prevailed in Western Australia, where rain is needed to prevent stress to reproductive to grain-filling winter wheat. Weekly temperatures averaged 1-4 degrees C above normal in the west and near to slightly above normal in the east.



SOUTH AMERICA ... In southern Brazil, light to moderate (13-68mm) rain covered Parana and eastern Minas Gerias, which promoted corn germination and coffee flowering. Recent rains have improved soil moisture conditions in south-central Brazil, but more is needed, especially in Sao Paulo. In Argentina, light rain (6-20mm) fell across southern Cordoba and Buenos Aires, while crop areas to the north received little or no rainfall. Warm temperatures and mostly dry weather in recent weeks have depleted soil moisture reserves. While the situation is not critical, widespread rainfall is needed for upcoming wheat winter grain-filling and soybean planting. Weekly temperatures averaged near normal in Argentina and 1-3 degrees C above normal in south-central Brazil.



MEXICO ... Light rains (2-22mm) fell across most of the Southern Plateau corn belt, but corn harvesting continued despite minor delays. The northern half of the country received only scattered rains as the rainy season continued to wind down. However, heavy rain (50-160mm) fell along the eastern coast, between Tampico and Veracruz, causing local flooding.

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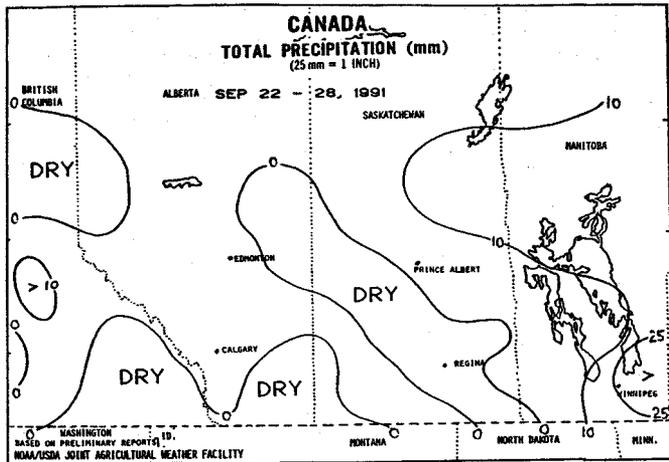
U.S. DEPARTMENT OF COMMERCE

National Oceanic and Atmospheric Administration
National Weather Service/Climate Analysis Center
Managing Editor **Douglas Le Comte**
Meteorologists **Brad Rippey (202) 382-1444**
Vilhelm Bjerknes and Wes Byrd.

Subscriptions (202) 447-7917 . . . **Joyce Houston**

U.S. DEPARTMENT OF AGRICULTURE

Economics Management Staff
Editor **Sharon Lee**
National Agricultural Statistics Service
Agricultural Statistician . . . **Martin Owens (202) 447-2157**
World Agricultural Outlook Board
Agricultural Weather Analysts . . . **Ray Motha (202) 447-9805**
Tom Puterbaugh, Mark Brusberg, and Bob Stefanski.



CANADA ... Dry weather dominated the primary crop regions of Alberta and Saskatchewan, favoring final grain and oilseed harvests. Temperatures over Alberta and western Saskatchewan averaged 1-4 degrees C above normal as periods of warm weather (highs of 24-27 degrees C) favored crop drydown throughout the region. In Manitoba, continuing showers (10-39mm) and cooler-than-normal weather (temperatures averaged 2-4 degrees C below normal) benefited newly planted fall grains.

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