

WEEKLY WEATHER AND CROP BULLETIN

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

U.S. DEPARTMENT OF AGRICULTURE
Statistical Reporting Service and World Agricultural Outlook Board

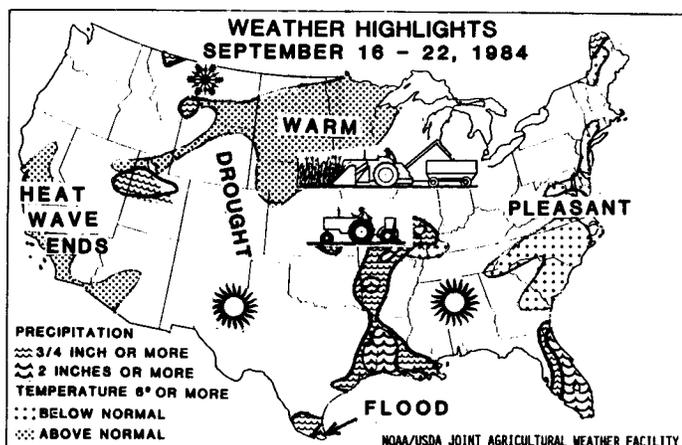
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Sept. 25, 1984

National Weather Summary

September 16 to 22, 1984



rain spread over the entire west coast. Warm air from the West spread over the Plains. Afternoon temperatures in South Dakota rose to the high nineties.

WEDNESDAY...Showers tapered off in southern Texas but flooding continued. Thundershowers continued in Florida and spread from the Pacific Northwest into the northern Rockies and central Plateau. Record cold temperatures occurred in the East. Record highs occurred in California and the northern Plains.

THURSDAY...Thundershowers were occasionally heavy along the southeastern Texas coast, and light showers spread into central Texas. Light rain covered the Northwest and were occasionally moderate in the Rockies. Early morning temperatures were still cool in the East but warmed during the day. Temperatures were much cooler in the Plains and in the West.

FRIDAY...Thunderstorms produced some heavy rain from eastern Texas and western Louisiana into southwestern Missouri. Lighter showers fell in central Texas, Oklahoma, and northern Missouri. Light showers covered the central and northern Rockies and the northern Plains. Much cooler air moved over the central and northern Rockies.

SATURDAY...Moderate to heavy showers from central Louisiana through western Arkansas and into southern Illinois caused local flooding. Lighter showers, with snow at high elevations, fell in the northern Rockies and from Nebraska and South Dakota to Ohio.

HIGHLIGHTS: Early week heavy showers caused local flooding on the southern tip of Texas. Later, moderate to heavy showers reached from central and western Louisiana, through western Arkansas, to southern Illinois. Beneficial showers fell from eastern Texas into eastern Kansas. Hot weather in California and the northern Plains gave way late in the week to much cooler temperatures. As the week ended, cold rain changed to snow in Montana.

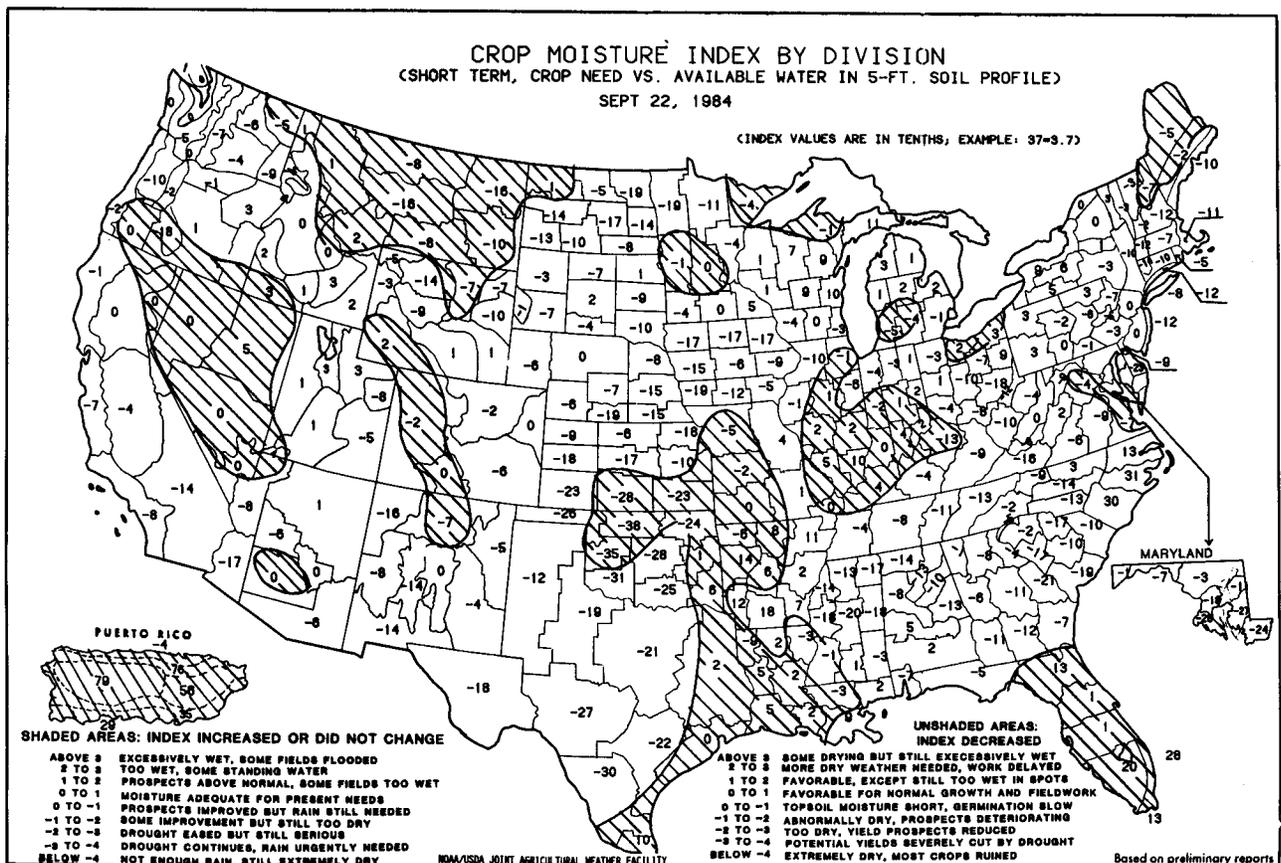
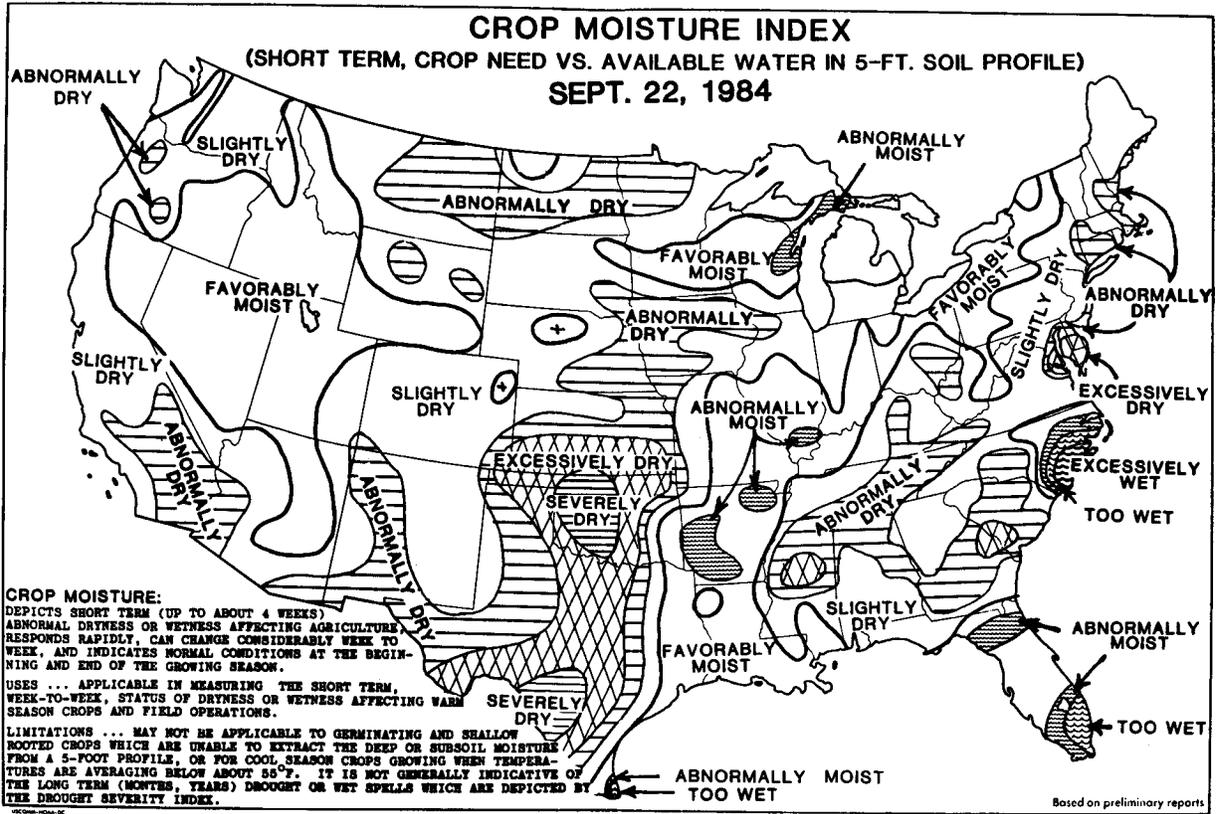
SUNDAY...Record cold temperatures were recorded in much of the Northeast and Midwest, while it was unusually warm in most of the West. Showers fell in the central Rockies, parts of the central Plains, and in southern California. Light showers fell in the eastern Great Lakes region, along the southeastern coast, and tropical showers again inundated parts of the lower Rio Grande Valley.

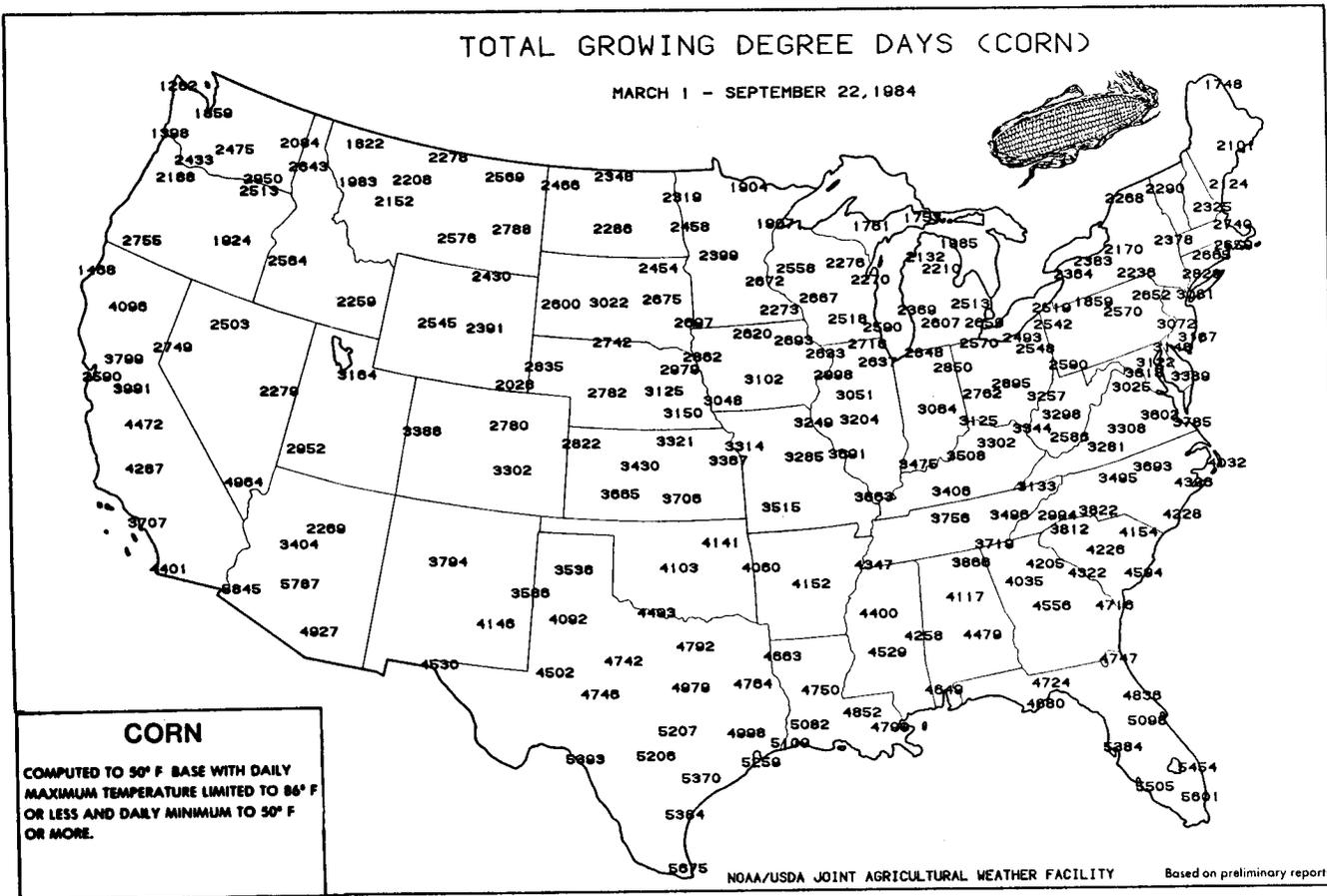
MONDAY...Light showers fell over a large portion of the central Plains, but significant amounts were isolated. Thunderstorms produced heavy rain in eastern Florida. Tropical rain continued in the lower Rio Grande Valley. Cool weather continued in the East. Warm temperatures began to move over the Plains.

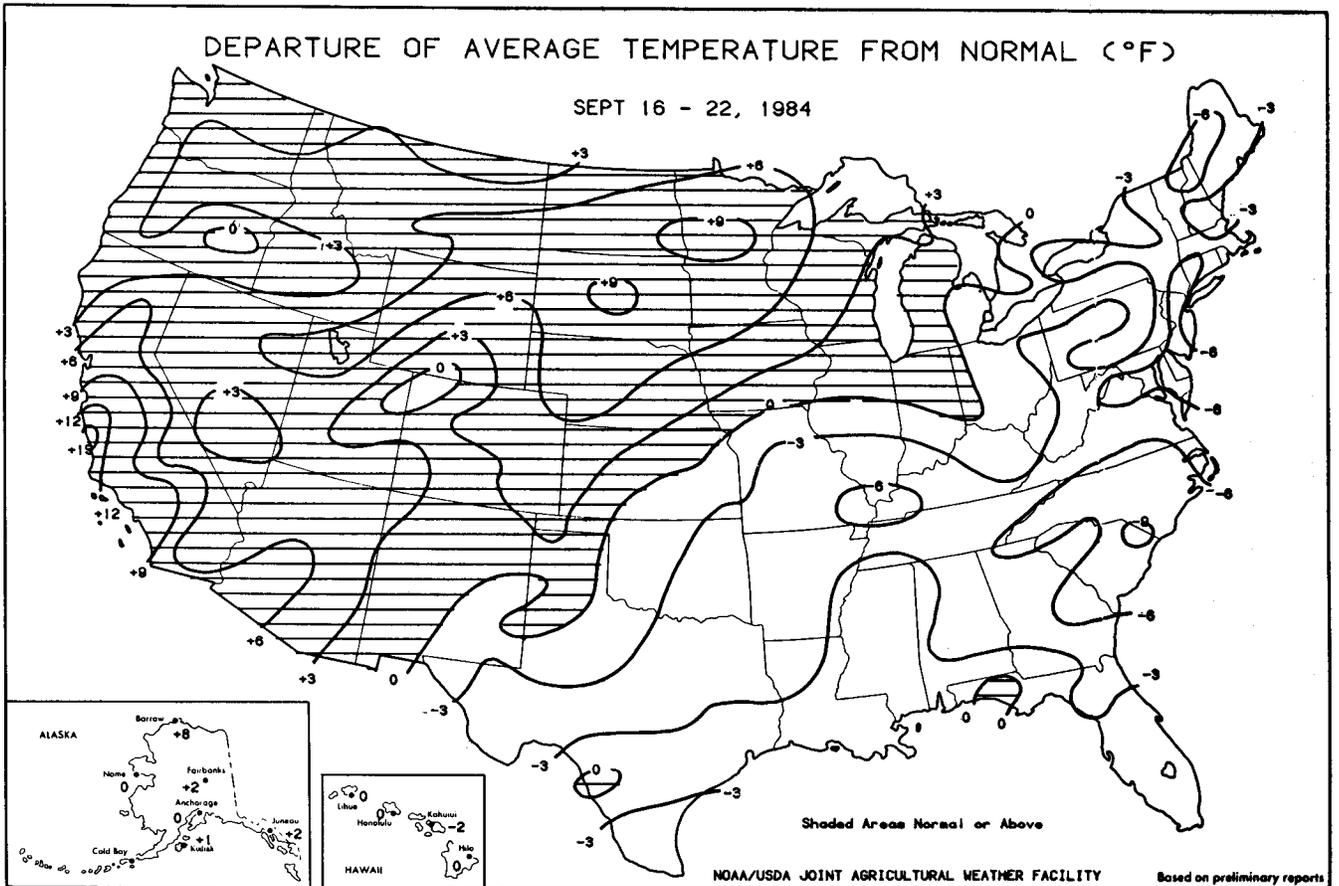
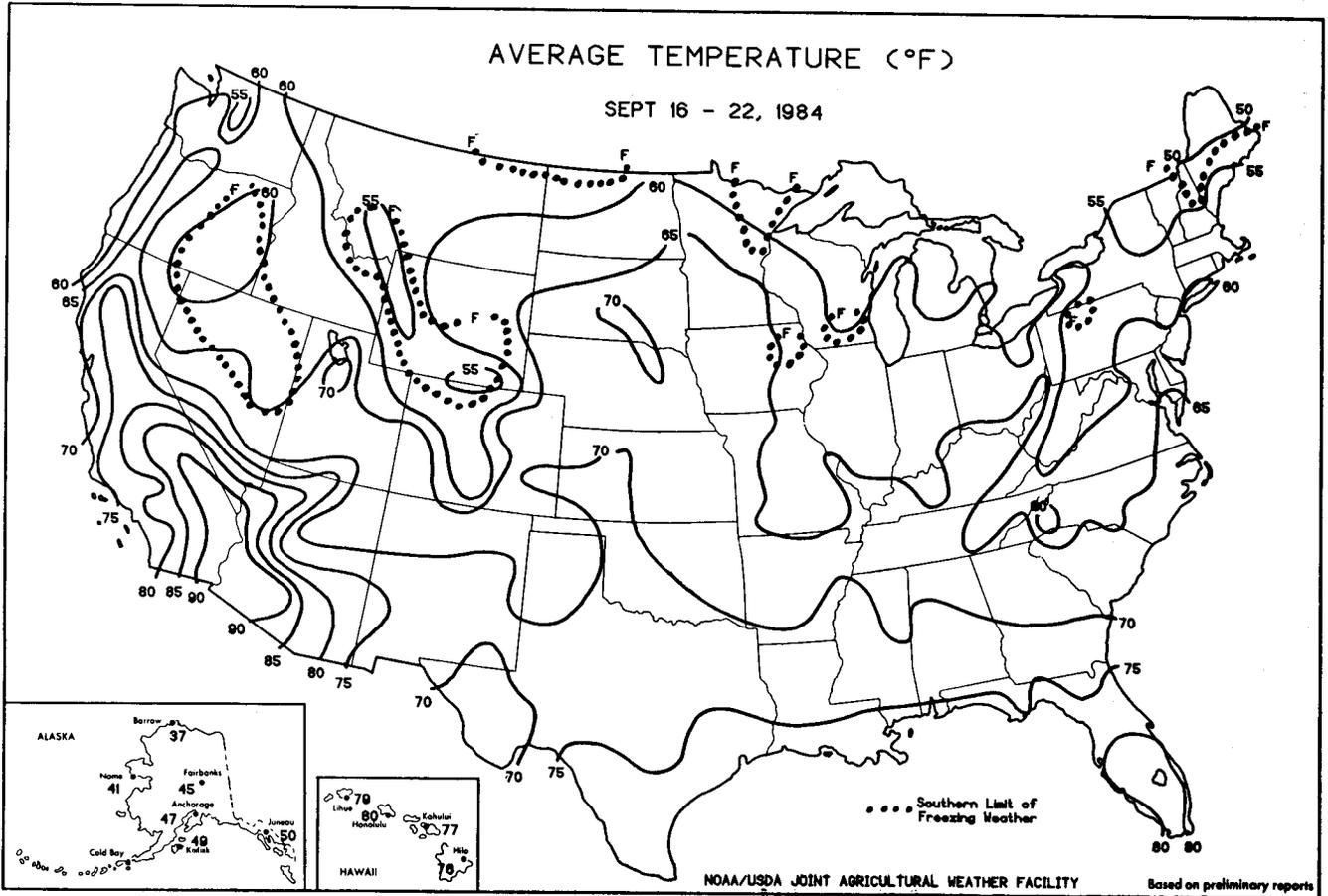
TUESDAY...Heavy rain over extreme southern Texas caused severe local flooding. Moderate rain from thunderstorms covered Florida's east coast. Light

Contents

	Page
National Weather Summary	1
Precipitation & Pan Evaporation	2
Crop Moisture & Crop Moisture Index	3
Growing Degree Days	4
Average Temperature & Departure	5
Weather Data for Selected Cities	6
Cooling Degree Days Table	9
Average Date of First Fall Freeze	10
Tropical Weather Satellite Photos	11
National Agricultural Summary	12
Crop Progress Tables	13
State Summaries of Weather & Agriculture	14
International Weather & Crop Summary	21
Subscription & Mailing Permit Information	24







Weather Data for the Week Ending SEPTEMBER 22, 1984

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	TEMPERATURE °F		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	82	57	88	50	70	-4	0	-1.0	0	.1	2	33.9	80	74	30	0	0	0	0
MOBILE	83	64	87	62	73	-4	T	-1.5	T	.7	14	43.8	85	78	51	0	0	1	0
MONTGOMERY	83	60	91	54	71	-4	0	-1.2	0	.8	23	40.5	106	88	50	2	0	0	0
AK ANCHORAGE	55	39	62	32	47	0	.9	.4	.6	.9	51	10.7	100	96	57	0	1	4	1
BARROW	42	32	50	25	37	8	.1	0	0	.2	34	3.4	96	96	73	0	0	5	0
FAIRBANKS	55	36	60	29	45	2	.1	-1	.1	.2	20	7.9	99	92	55	4	2	1	0
JUNEAU	56	45	62	36	50	2	.9	-6	.4	2.1	47	36.9	109	100	75	0	0	5	0
KODIAK	57	42	59	35	49	1	1.8	-1	.7	5.6	104	51.9	106	95	67	0	0	5	2
NOME	47	35	54	28	41	0	.8	.3	.4	1.2	69	12.0	105	94	65	2	2	4	0
AZ PHOENIX	103	80	106	75	91	8	T	-1	T	2.3	481	9.8	198	198	48	7	0	2	0
PRESCOTT	84	55	86	53	70	5	T	-3	T	1.4	125	10.9	76	80	31	0	0	0	0
TUCSON	96	71	98	67	84	4	T	-3	T	T	4	9.2	110	41	19	7	0	0	0
YUMA	105	81	111	77	93	7	0	0	0	0	0	4.0	229	53	20	7	0	0	0
AR FORT SMITH	80	56	83	53	68	-4	2.2	1.4	1.5	4.0	168	25.5	86	89	40	0	0	2	2
LITTLE ROCK	79	59	83	52	69	-4	.9	0	.9	4.2	144	31.9	92	75	51	0	0	2	1
CA BAKERSFIELD	94	68	103	61	81	5	T	-1	T	T	0	1.3	33	65	29	5	0	0	0
EUREKA	65	53	80	49	59	2	T	-2	T	.1	14	16.9	72	92	72	0	0	1	0
FRESNO	96	70	105	60	83	10	0	0	0	0	0	2.1	30	61	26	6	0	0	0
LOS ANGELES	84	71	96	68	77	8	0	0	0	0	29	2.0	23	78	50	1	0	0	0
RED BLUFF	94	66	105	58	80	6	.2	.1	.2	.2	65	5.0	37	58	20	4	0	1	0
SACRAMENTO	93	62	101	54	77	6	T	-1	T	T	0	3.0	27	75	26	4	0	0	0
SAN DIEGO	85	76	91	73	80	10	0	-1	0	0	1.5	23	85	61	2	0	0	0	0
SAN FRANCISCO	83	58	94	53	71	7	.1	0	.1	.1	90	4.2	33	88	62	1	0	2	0
CO DENVER	82	49	88	45	66	5	T	-3	T	.1	8	11.9	94	68	22	0	0	0	0
GRAND JUNCTION	81	57	87	52	69	4	.2	0	.1	.3	66	8.1	141	73	33	0	0	2	0
PUEBLO	86	48	89	46	67	3	T	-1	T	T	0	14.0	153	75	22	0	0	0	0
CT BRIDGEPORT	72	50	80	44	61	-4	0	0	1.6	67	35.1	117	84	42	0	0	0	0	0
HARTFORD	73	40	84	34	56	-6	0	0	1.2	39	35.0	110	88	32	0	0	0	0	0
DC WASHINGTON	77	55	83	50	66	-4	0	0	1.4	59	28.9	98	84	40	0	0	0	0	0
FL APALACHICOLA	84	67	86	65	75	-3	0	-2	1.2	19	51.6	119	93	65	0	0	0	0	0
DAYTONA BEACH	85	74	87	69	80	-3	1.1	.8	6.8	136	38.0	101	80	59	0	0	0	3	1
JACKSONVILLE	80	66	86	62	73	-5	3.4	1.7	7.2	130	39.0	90	98	67	0	0	0	5	1
KEY WEST	83	77	86	75	80	-2	4.5	3.0	2.0	5.8	120	35.3	125	86	70	0	0	7	4
MIAMI	86	74	90	71	80	-2	5.2	3.3	2.7	7.4	126	50.0	114	90	61	1	0	6	3
ORLANDO	87	71	92	68	79	-2	2.0	.7	1.3	4.3	100	39.5	98	98	55	2	0	3	2
TALLAHASSEE	86	66	93	60	76	-2	T	-1.5	T	2.5	50	51.2	98	87	51	1	0	0	0
TAMPA	87	72	92	70	80	-1	.1	-1.3	.1	1.7	35	28.7	73	89	51	3	0	2	0
WEST PALM BEACH	85	74	88	70	79	-2	3.3	1.0	2.1	5.0	73	49.8	113	94	69	0	0	5	2
GA ATLANTA	79	57	85	55	68	-4	0	-7	0	T	0	48.1	128	72	33	0	0	0	0
AUGUSTA	82	54	90	45	68	-6	0	-8	0	T	1	41.1	117	81	32	1	0	0	0
MACON	80	57	88	48	69	-6	0	-8	0	.2	8	39.7	111	89	41	0	0	0	0
SAVANNAH	80	60	86	53	70	-6	.2	-9	.2	2.8	69	41.5	99	91	53	0	0	2	0
HI HILO	84	68	85	66	76	0	.7	-8	.6	2.5	52	65.3	74	83	60	0	0	1	1
HONOLULU	90	71	91	70	80	0	1.2	1.1	1.2	1.3	336	6.4	43	88	47	4	0	1	1
KAHULUI	88	66	89	63	77	-2	0	-1	0	0	0	6.8	49	86	54	0	0	0	0
LIHUE	85	72	87	71	79	0	.2	-3	.2	.9	59	11.4	41	82	60	0	0	2	0
ID BOISE	78	51	90	37	64	3	.5	.4	.5	.7	160	9.4	115	68	25	1	0	0	0
LEWISTON	77	52	91	43	65	3	T	-2	T	2	8.0	88	69	29	2	0	0	1	0
POCATELLO	79	46	90	35	63	5	.3	.1	.2	.5	114	10.8	138	77	22	2	0	3	0
IL CHICAGO	75	47	87	37	61	-3	T	-7	T	1.6	64	22.7	87	91	42	0	0	0	0
MOLINE	77	50	87	37	64	0	.1	-8	.1	1.1	40	25.2	84	87	38	0	0	1	0
PEORIA	77	50	89	39	64	-1	.3	-5	.3	1.7	61	27.1	98	86	41	0	0	1	0
QUINCY	76	53	86	41	64	-1	.5	-5	.5	3.0	98	28.2	95	82	41	0	0	0	0
ROCKFORD	77	48	88	35	63	1	.1	-8	.1	.8	28	20.4	71	91	37	0	0	1	0
SPRINGFIELD	78	50	88	40	64	-2	.3	-4	.3	3.3	145	28.1	106	94	40	0	0	1	0
IN EVANSVILLE	79	51	86	44	65	-3	.1	-5	.1	2.1	105	28.7	91	86	37	0	0	1	0
FORT WAYNE	77	49	87	39	63	0	T	-6	T	2.5	134	21.7	82	89	42	0	0	0	0
INDIANAPOLIS	78	48	87	39	63	-2	.2	-4	.2	2.2	107	27.3	91	100	42	0	0	1	0
SOUTH BEND	76	52	86	43	64	1	T	-7	T	1.2	52	20.6	72	78	39	0	0	0	0
IA DES MOINES	78	52	91	38	65	2	0	-7	0	2.6	111	31.8	125	94	46	1	0	1	0
SIOUX CITY	80	53	95	42	67	4	T	-5	T	.6	33	26.1	122	86	36	1	0	0	0
WATERLOO	80	50	91	31	65	5	T	-8	T	.4	17	24.4	90	84	34	1	1	0	0
KS CONCORDIA	79	56	89	50	68	2	T	-7	T	3.2	142	23.4	102	88	48	0	0	0	0
DODGE CITY	87	58	93	51	72	5	T	-4	T	.2	15	13.4	75	74	28	3	0	0	0
GOODLAND	82	52	90	45	67	4	0	-3	0	.1	13	16.9	120	73	26	1	0	0	0
TOPEKA	79	52	89	44	65	-2	T	-8	T	3.7	145	30.4	114	97	43	0	0	0	0
WICHITA	79	56	86	50	68	-1	1.6	.8	1.6	1.9	72	19.5	85	84	37	0	0	1	1
KY BOWLING GREEN	79	50	87	44	64	-5	T	-7	T	1.5	64	40.8	110	95	37	0	0	0	0
LEXINGTON	81	52	90	42	66	-1	0	-7	0	.3	14	27.3	77	84	28	1	0	0	0
LOUISVILLE	80	52	88	46	66	-3	0	-8	0	1.2	48	32.7	98	86	37	0	0	0	0
LA ALEXANDRIA	83	63	88	58	73	-3	2.7	2.1	1.6	2.8	148	46.2	114	83	50	0	0	2	2
BATON ROUGE	83	67	87	62	75	-2	1.1	.1	.8	2.0	59	29.9	69	81	54	0	0	2	1
LAKE CHARLES	85	67	88	61	76	-2	5.1	3.8	3.0	6.7	171	42.8	108	89	55	0	0	2	2
NEW ORLEANS	81	71	84	66	76	-2	1.4	.1	1.4	3.8	83	43.9	94	80	61	0	0	2	1

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

+100 = NORMAL & ACTUAL NEAR THE SAME

Weather Data for the Week Ending SEPTEMBER 22, 1984

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	TEMPERATURE		PRECIPITATION			
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE		
SHREVEPORT	84	62	90	56	73	-3	1.8	1.0	1.8	2.6	105	29.0	88	84	43	1	0	0	1		
ME CARIBOU	58	37	70	31	48	-5	1.0	-2	1.0	1.4	54	28.4	108	87	47	0	2	2	1		
PORTLAND	68	41	79	37	55	-3	.1	-7	.1	.7	31	37.6	127	91	37	0	0	1	0		
MD BALTIMORE	75	49	84	44	62	-6	0	-8	0	1.3	50	29.2	93	86	37	0	0	0	0		
SALISBURY	76	47	84	41	61	-6	0	-8	0	1.2	9	35.6	104	95	34	0	0	0	0		
MA BOSTON	69	49	83	42	59	-4	0	-8	0	1.2	47	40.4	130	81	38	0	0	0	0		
CHATHAM	66	50	70	46	58	-3	0	-6	0	1.6	56	39.3	120	—	—	0	0	0	0		
MI ALPENA	71	42	79	36	56	-6	0	-6	0	3.6	161	23.3	106	99	46	0	0	1	0		
DETROIT	75	47	87	37	61	-1	0	-5	0	1.5	92	18.0	76	82	41	0	0	0	0		
FLINT	75	46	85	38	60	-6	0	-5	0	2.2	123	20.6	92	89	42	0	0	0	0		
GRAND RAPIDS	74	49	87	39	62	-1	0	-7	0	.9	40	16.9	67	89	38	0	0	0	0		
HOUGHTON LAKE	71	45	79	34	58	-2	0	-6	0	.7	32	19.2	92	90	40	0	0	1	0		
LANSING	74	46	86	37	60	-6	0	-6	0	1.8	94	18.9	84	90	42	0	0	0	0		
MARQUETTE	71	42	81	36	57	-4	0	-9	0	2.9	100	24.1	87	92	45	0	0	0	0		
MUSKOGON	72	48	79	39	60	-6	0	-6	0	.7	33	19.1	85	89	49	0	0	1	0		
SAULT STE. MARIE	68	41	76	34	55	-6	0	-9	0	1.1	115	20.9	87	99	56	0	0	0	0		
MN ALEXANDRIA	78	52	94	44	65	-9	9	-5	9	.6	34	21.6	106	81	31	1	1	0	0		
DULUTH	74	46	90	37	60	-7	7	-7	7	1.5	60	16.7	70	82	40	1	1	1	0		
INT'L FALLS	72	43	84	30	58	-6	6	-7	6	2.1	85	15.9	81	88	41	0	1	1	0		
MINNEAPOLIS	78	52	91	42	65	-6	6	-2	6	2.1	111	28.1	128	79	38	1	0	1	0		
ROCHESTER	74	48	88	37	61	-3	3	-6	3	2.2	94	20.7	89	88	42	0	0	1	0		
MS GREENWOOD	83	58	87	54	71	-4	-4	-8	-4	.6	23	32.1	81	89	37	0	0	0	0		
JACKSON	84	61	88	55	72	-3	-3	-8	-3	.9	35	33.4	84	85	41	0	0	1	0		
MERIDIAN	84	60	88	55	72	-3	-3	-9	-3	.8	30	35.7	87	90	44	0	0	0	0		
MO CAPE GIRARDEAU	79	50	87	44	65	-3	3	-6	3	3.0	106	24.0	71	99	47	0	0	0	0		
COLUMBIA	75	52	85	43	64	-3	-5	-5	-5	5.4	202	37.0	133	85	49	0	0	2	0		
KANSAS CITY	77	54	87	42	66	-1	0	-4	0	3.0	97	27.5	98	94	46	0	0	1	0		
SAINT LOUIS	76	55	86	47	65	-3	1.5	-9	1.5	8.7	441	34.1	130	94	47	0	0	1	1		
SPRINGFIELD	77	53	85	46	65	-3	1.2	-.1	1.1	3.8	120	27.3	92	88	46	0	0	1	0		
MT BILLINGS	77	50	92	38	63	-6	4	0	4	.4	39	7.4	62	63	26	2	0	1	0		
GLASGOW	72	46	91	35	59	-4	4	0	4	.2	0	0	62	63	26	2	0	1	0		
GREAT FALLS	70	48	91	34	59	-3	1	-1	1	.7	94	5.3	52	72	30	1	1	0	0		
HAVRE	69	44	92	35	57	-2	2	-2	2	.2	23	9.0	71	72	33	1	0	3	0		
HELENA	72	44	89	34	58	-4	4	-1	4	.7	101	5.0	53	77	32	1	0	2	0		
KALISPELL	69	41	85	35	55	-3	1	-1	1	.2	25	6.9	73	75	29	0	0	2	0		
MILES CITY	79	50	95	39	65	-3	8	-.6	8	1.9	219	10.9	92	92	39	0	0	3	0		
MISSOULA	71	43	90	36	57	-3	7	-4	7	.4	45	7.2	61	65	24	2	0	1	0		
NE GRAND ISLAND	83	52	95	41	68	-5	5	-6	5	.8	100	10.7	106	92	39	1	0	3	1		
LINCOLN	81	53	93	35	67	-3	3	-7	3	.2	10	25.4	125	75	32	2	0	0	0		
NORFOLK	83	52	97	38	67	-3	3	-7	3	1.0	44	28.7	125	89	40	1	0	0	0		
NORTH PLAINTE	83	49	94	40	66	-6	6	-1	6	.7	43	26.7	129	83	30	2	0	1	0		
OMAHA	79	56	91	45	68	-5	5	-7	5	.4	30	17.3	100	76	25	2	0	2	0		
SCOTTSBUFF	86	48	95	38	67	-7	7	-2	7	2.3	88	27.2	108	75	47	1	0	0	0		
VALENTINE	86	49	100	43	68	-8	8	-2	8	.3	31	11.1	88	72	19	2	0	2	0		
NV ELY	78	43	85	31	60	-5	5	0	5	1.3	1.2	1.1	3.7	689	11.6	167	90	29	0	1	3
LAS VEGAS	96	71	99	67	84	-5	5	0	5	.5	204	4.2	136	47	16	7	0	1	0		
RENO	81	47	90	36	64	-5	5	0	5	0	0	0	78	1.9	37	79	24	1	0	2	
WINNEMUCA	83	43	93	24	63	-5	5	-1	5	.1	1	1	.2	86	8.6	154	62	17	2	1	
NH CONCORD	71	38	82	34	55	-3	0	-7	0	1.0	43	32.4	127	98	32	0	0	0	0		
NJ ATLANTIC CITY	76	48	85	43	62	-3	0	-6	0	.5	21	32.4	105	83	36	0	0	0	0		
NM ALBUQUERQUE	83	57	87	53	70	-2	2	-1	2	.3	54	6.3	102	75	26	0	0	1	0		
CLOVIS	79	51	84	48	65	-3	2	-3	2	.6	41	17.9	129	85	34	0	0	1	0		
ROSWELL	86	56	91	54	71	-6	0	-4	0	.2	15	12.8	164	69	25	1	0	0	0		
NY ALBANY	72	43	85	36	58	-2	2	-8	2	1.4	60	29.8	114	97	44	0	0	1	0		
BINGHAMTON	69	45	79	36	57	-1	1	-8	1	1.7	69	31.0	115	89	43	0	0	1	0		
BUFFALO	70	46	80	39	58	-3	0	-8	0	3.0	120	29.4	110	96	48	0	0	0	0		
NEW YORK	73	56	83	48	65	-2	0	-8	0	2.2	85	41.4	132	80	44	0	0	0	0		
ROCHESTER	72	47	79	41	60	-1	1	-6	1	2.9	147	27.7	121	89	45	0	0	1	0		
SYRACUSE	69	43	80	36	56	-5	5	-7	5	2.0	80	27.2	95	100	58	0	0	2	0		
NC ASHEVILLE	75	42	84	39	59	-7	0	-9	0	0	0	0	106	43	0	0	0	0	0		
CHARLOTTE	78	51	90	46	65	-6	0	-8	0	0	0	0	106	43	0	0	0	0	0		
GREENSBORO	77	48	88	41	62	-7	0	-8	0	0	0	0	114	85	37	1	0	0	0		
HATTERAS	75	60	80	53	68	-6	1	-1.2	1	1	1	38.0	136	89	37	0	0	0	0		
NEW BERN	78	56	86	50	67	-6	1	-1.2	1	2.4	55	36.5	91	89	57	0	0	1	0		
RALEIGH	76	51	87	45	64	-6	0	-7	0	12.0	272	53.9	129	86	46	0	0	1	0		
WILMINGTON	78	55	87	52	67	-7	0	-7	0	.7	26	39.9	123	88	43	0	0	0	0		
ND BISMARCK	80	44	90	39	62	-7	7	-3	7	16.3	371	52.2	122	98	50	0	0	0	0		
FARGO	80	49	96	41	65	-9	9	-4	9	.3	31	11.9	90	76	22	1	0	1	0		
GRAND FORKS	79	45	90	36	62	-8	8	-5	8	.8	59	12.2	74	74	24	1	0	1	0		
WILLISTON	71	45	87	33	58	-3	3	-2	3	.1	4	16.1	105	74	25	1	0	0	0		
OH AKRON-CANTON	72	47	83	40	59	-3	0	-7	0	1.9	180	9.1	77	80	33	0	0	2	0		
CINCINNATI	81	50	90	44	66	-1	0	-7	0	1.3	56	25.2	91	89	48	0	0	0	0		
CLEVELAND	73	48	84	37	60	-3	0	-7	0	1.1	49	25.4	82	88	33	1	0	0	0		
COLUMBUS	77	49	88	41	63	-1	0	-7	0	1.9	88	31.1	116	83	45	0	0	0	0		

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

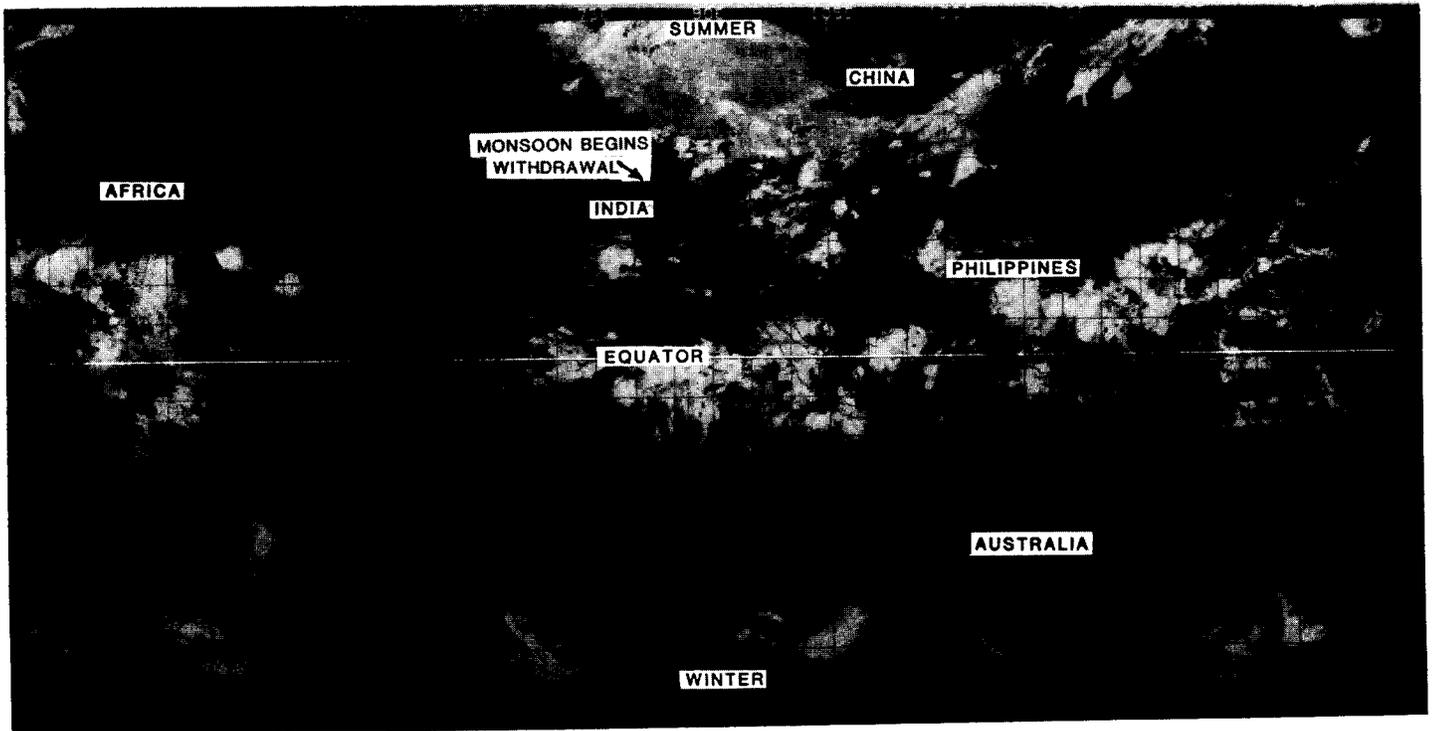
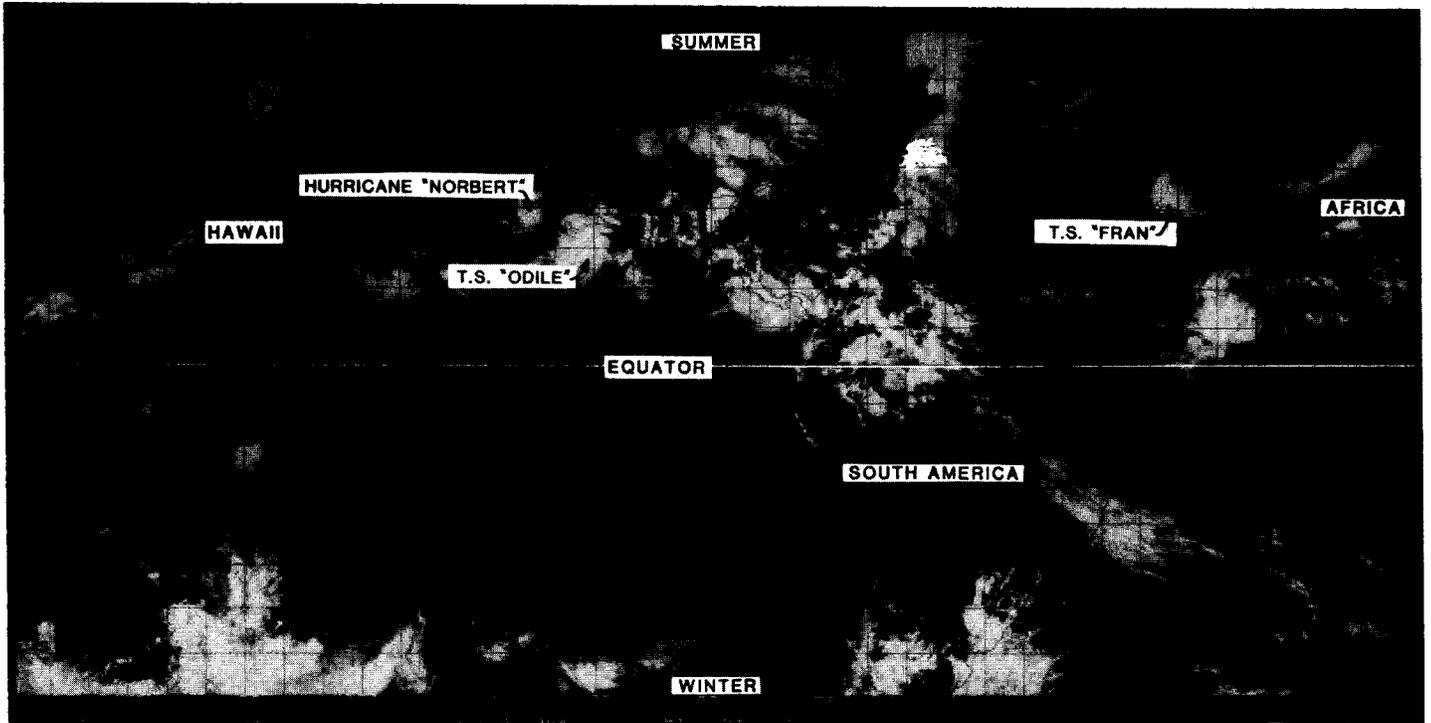
Weather Data for the Week Ending SEPTEMBER 22, 1984

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	TEMPERATURE		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	75	49	85	41	62	-3	0	-.5	0	1.8	98	23.7	88	90	41	0	0	0	0
TOLEDO	74	47	87	36	61	-1	0	-.6	0	1.5	78	22.9	94	92	46	0	0	0	0
YOUNGSTOWN	73	46	84	35	60	-2	0	-.7	0	1.8	76	27.8	98	90	48	0	0	0	0
OK OKLAHOMA CITY	82	58	87	52	70	-2	T	-.8	T	.9	36	16.7	68	72	35	0	0	0	0
TULSA	80	57	84	51	68	-4	T	-1.0	T	2.1	64	29.6	99	91	43	0	0	2	2
OR ASTORIA	66	51	72	44	59	1	.1	-.5	.3	3.1	145	38.7	94	91	65	0	0	0	0
BURNS	73	41	88	27	57	-1	.1	-.1	0	.1	11	7.4	147	11	1	2	2	2	0
MEUFORD	83	51	97	40	67	3	.4	.2	.4	86	8.0	69	93	32	3	3	1	1	0
FENDLETON	77	53	90	43	65	3	.3	0	.1	93	8.9	111	66	28	1	1	1	1	0
PORTLAND	74	55	85	46	65	3	.3	-.1	.3	1.5	133	21.2	95	89	46	0	0	3	3
SALEM	76	51	87	47	64	3	.2	-.2	.1	1.2	108	24.5	103	96	45	0	0	3	3
PA ALLENTOWN	74	44	81	40	59	-1	0	-.9	0	.7	22	42.9	131	94	43	0	0	0	0
ERIE	70	49	82	43	60	0	0	-.9	0	4.5	155	27.6	98	85	52	0	0	0	0
HARRISBURG	73	50	81	45	62	-4	0	-.8	0	.3	11	34.8	120	11	1	0	0	0	0
PHILADELPHIA	74	50	82	45	62	-5	0	-.8	0	1.3	49	36.6	118	81	39	0	0	0	0
PITTSBURGH	75	46	88	36	61	-2	0	-.6	0	.3	16	25.2	89	83	35	0	0	0	0
SCRANTON	71	47	80	41	59	-2	0	-.8	0	1.1	42	31.1	120	88	44	0	0	0	0
RI PROVIDENCE	71	46	81	39	59	-4	0	-.8	0	1.7	63	39.2	122	80	34	0	0	0	0
SC CHARLESTON	77	59	85	53	68	-7	T	-1.1	T	3.5	94	40.8	96	87	51	0	0	1	0
COLUMBIA	83	51	91	42	67	-7	0	-.9	0	.1	3	40.6	102	83	34	1	1	0	0
FLORENCE	79	52	89	45	65	-9	0	-.9	0	.7	22	37.0	104	96	46	0	0	0	0
GREENVILLE	78	51	87	46	64	-6	0	-1.1	0	.2	7	50.1	129	76	31	0	0	0	0
SD ABERDEEN	81	50	96	42	66	8	0	-.4	0	.5	43	17.5	114	89	29	2	2	0	0
MURON	82	51	97	43	67	8	.1	-.2	.1	.6	62	25.3	161	83	27	2	2	1	1
RAPID CITY	83	49	93	39	66	7	.1	-.1	.1	.5	64	13.5	95	68	22	0	0	0	0
SIOUX FALLS	81	51	95	45	66	7	T	-.6	T	1.4	66	24.2	119	82	34	2	2	0	0
TN CHATTANOOGA	79	51	87	47	65	-6	0	-1.0	0	.4	12	36.0	91	86	36	0	0	0	0
KNOXVILLE	82	48	92	43	65	-5	0	-.7	0	.4	18	89.5	111	89	31	2	2	0	0
MEMPHIS	81	59	86	52	70	-3	T	-.8	T	1.6	56	38.9	99	86	42	0	0	0	0
NASHVILLE	81	52	90	46	66	-5	0	-.9	0	1.0	34	42.0	114	87	33	1	1	0	0
TX ABILENE	84	61	92	58	72	-2	T	-.7	T	.7	30	9.1	51	63	32	0	0	0	0
AMARILLO	83	54	88	50	68	0	T	-.4	T	.6	47	13.6	83	82	30	0	0	0	0
AUSTIN	84	65	89	60	75	-4	.2	-.7	.1	.8	30	10.8	47	79	40	0	0	0	0
BEAUMONT	84	70	87	64	77	-1	2.3	.8	1.4	4.1	87	36.5	94	84	55	0	0	3	2
BROWNSVILLE	80	71	90	69	76	-5	14.5	13.2	7.2	15.6	401	32.8	181	96	74	1	1	5	4
CORPUS CHRISTI	83	70	90	67	77	-4	.2	-1.3	.2	3.0	64	13.0	57	74	52	0	0	2	0
DEL RIO	89	66	94	62	78	-2	0	-.7	0	.8	41	7.0	54	68	29	2	2	0	0
EL PASO	88	57	90	52	73	0	T	-.3	T	.1	10	10.8	178	65	24	2	2	0	0
FORT WORTH	84	63	89	56	74	-4	T	-.8	T	1	17.9	79	78	32	0	0	0	0	
GALVESTON	81	70	82	65	75	-4	1.7	.4	1.5	5.1	113	21.4	72	83	65	0	0	2	1
HOUSTON	87	68	90	61	78	0	.8	-.4	.8	1.6	44	24.9	76	72	40	1	1	1	1
LUBBOCK	84	55	90	52	70	0	0	-.5	0	.1	5	9.8	67	80	32	1	1	0	0
MIDLAND	86	58	95	55	72	-1	0	-.5	0	T	1	9.4	88	63	26	1	1	0	0
SAN ANGELO	85	56	95	53	71	-4	0	-.8	0	1.0	44	8.8	63	81	34	1	1	0	0
SAN ANTONIO	87	65	92	61	76	-2	T	-.9	T	.8	28	13.3	61	67	36	2	2	0	0
VICTORIA	86	69	90	64	77	-2	.8	-.7	.7	1.8	39	19.3	69	92	57	1	1	0	0
WACO	86	62	91	54	74	-4	1.0	.2	.5	1.1	47	15.5	68	80	38	1	1	3	1
WICHITA FALLS	85	59	88	55	72	-3	T	-.8	T	.1	5	10.0	48	75	34	0	0	0	0
UT BLANDING	81	51	85	47	66	4	.3	.1	.2	.5	51	5.9	76	74	26	0	0	3	0
CEDAR CITY	82	51	85	43	66	4	T	-.2	T	0	10.2	133	74	24	0	0	0	0	
SALT LAKE CITY	82	58	90	44	70	6	.7	.5	.6	1.1	175	15.0	132	75	27	2	2	0	1
VT BURLINGTON	67	42	77	37	54	-3	.2	-.5	.2	2.3	97	27.6	111	91	45	0	0	2	0
VA NORFOLK	74	59	82	55	66	-5	T	-1.0	T	1.2	37	38.6	111	78	44	0	0	0	0
RICHMOND	79	49	88	43	64	-5	0	-.8	0	1.2	46	38.4	117	92	37	0	0	0	0
ROANOKE	75	48	86	38	62	-6	0	-.7	0	1.2	54	36.2	123	97	44	0	0	0	0
WA COLVILLE	72	43	87	35	57	1	.4	-.2	.3	.6	98	17.8	155	85	41	0	0	2	0
QUILLAYUTE	66	48	76	42	57	1	.2	-1.1	.1	3.6	101	69.7	113	99	65	0	0	4	0
SEATTLE-TACOMA	67	53	78	45	60	1	.7	.2	.4	1.1	75	21.8	96	93	55	0	0	3	0
SPOKANE	73	48	88	41	61	3	.3	.2	.3	.5	102	11.1	102	79	36	0	0	0	0
YAKIMA	77	48	91	39	63	3	.4	.3	.2	.4	167	5.7	110	77	32	1	1	2	0
WV BECKLEY	71	45	82	37	58	-4	0	-.8	0	.6	24	30.5	93	92	43	0	0	0	0
CHARLESTON	79	49	89	40	64	-2	0	-.7	0	1.8	79	28.0	85	92	37	0	0	0	0
HUNTINGTON	80	51	89	44	66	-1	0	-.7	0	.9	40	26.0	82	85	35	0	0	0	0
PARKERSBURG	79	53	88	43	66	0	0	-.6	0	.7	31	22.1	66	93	38	0	0	0	0
WI GREEN BAY	71	47	80	40	59	2	T	-.7	T	4.0	166	25.6	116	93	50	0	0	0	0
LA CROSSE	78	49	88	38	63	3	0	-.8	0	2.6	104	24.4	98	94	41	0	0	0	0
MADISON	76	45	85	32	61	2	.1	-.6	.1	.5	22	21.2	86	87	42	0	1	1	0
MILWAUKEE	73	50	82	40	62	1	T	-.6	T	.8	36	24.5	102	88	45	0	0	0	0
WAUSAU	73	48	82	38	60	4	0	-.9	0	2.4	80	28.2	110	92	45	0	0	0	0
WY CASPER	80	42	87	30	61	4	T	-.2	T	.3	57	11.0	120	77	19	0	1	1	0
CHEYENNE	75	44	82	37	60	3	.1	-.2	.1	.5	60	15.4	134	82	27	0	0	0	0
LANLIER	77	47	88	33	62	5	.2	-.1	.1	.3	53	11.3	108	62	20	0	0	4	1
SHERIDAN	81	47	94	34	64	8	.4	-.1	.4	.4	52	11.3	94	63	22	0	0	0	0
PR SAN JUAN	88	75	93	74	81	-1	1.2	-.2	.6	2.7	62	28.7	78	85	61	2	2	0	1

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

TROPICAL WEATHER

Sept. 18 - 19



National Agricultural Summary

September 17-23

HIGHLIGHTS: Heavy rains from Louisiana through Missouri into southern Illinois benefited late planted soybeans, but caused some damage to open cotton bolls. Showers from eastern Texas into eastern Kansas, and late week snow and rain across the northern Plains benefited newly seeded winter wheat. Soil moisture was short to very short across much of the Southeast and Great Plains, and generally short to adequate elsewhere in the Nation. Farmers had good harvesting weather as 6-7 days were suitable for fieldwork.

Spring wheat harvesting was nearing completion in Idaho and was complete elsewhere. Winter wheat seeding advanced to 31% completion and 12% emerged. Corn was 66% mature and 8% harvested. Soybeans dropped leaves on 47% of the acreage, 5% was harvested. Dry conditions stressed double-cropped soybeans in the Southeast. Sorghum harvesting was 31% complete, slightly ahead of normal. Cotton bolls opened on 54% of the acreage and 8% was harvested. The rice harvest was 51% complete, 2 points ahead of schedule. Tobacco harvesting was nearly complete in the extreme South and continued active elsewhere. Most areas had good curing weather. Fall vegetable and apple picking gained momentum. Dry conditions caused pasture and range deterioration from the Rocky Mountains, eastward. Livestock were in fair to good condition but supplemental feeding became more widespread.

SMALL GRAINS: Spring wheat combining was 91% finished in Idaho and complete elsewhere. The 1985 winter wheat was 31% seeded, 1 point ahead of last year but 3 points behind normal. Seeding was underway in all States. Progress ranged from 1% finished in California to 78% complete in South Dakota. Showers benefited seedings from eastern Texas through eastern Kansas. However, many producers across the Plains dusted wheat while others waited for some precipitation before planting. Late week snow and rain will aid seeded wheat across the northern Plains. Winter wheat emerged on 12% of the acreage in the 15 major States, equaling the average.

CORN: In the 17 major producing States, 97% of the corn dented, 66% matured, and 8% harvested. A year earlier, 98% dented, 80% matured, and 8% harvested. Stands were in fair to good condition. Harvesting was underway in all States; ranging from 1% finished in Minnesota, Pennsylvania, and South Dakota to 84% complete in Georgia. Most areas had ideal harvesting weather throughout the week.

SOYBEANS: Dry conditions stressed double-cropped soybeans across the Southeast, while showers benefited late-planted stands from Louisiana into southern Illinois. The crop rated mostly fair to good. In the 18 major producing States, 47% of the soybeans dropped leaves and 5% was combined. A year ago, 48% dropped leaves and 5% was harvested. Harvesting was active in the Corn Belt and just getting underway in the Southeast. Progress ranged from 1% finished in Alabama, Georgia, Michigan, and Nebraska to 10% complete in Illinois.

COTTON: Cotton was in fair to mostly good condition. Heavy rains from Louisiana through Missouri damaged some cotton with open bolls. In the 14 major producing States, bolls were opening on 54% of the acreage, 1 point slower than normal. Harvesting was 8% complete, 2 percentage points behind normal. Picking was active in all States

except New Mexico, North Carolina, Oklahoma, and Tennessee. Progress ranged from 1% finished in Alabama, Arizona, and California to 14% complete in Texas. Harvesting lagged behind normal in all States, except California was slightly ahead of schedule.

SORGHUM: In the 7 major producing States, 86% was coloring, 50% matured, and 31% was harvested. Normally, 85% has colored, 51% matured, and 30% is harvested. Harvest progress ranged from 3% finished in Nebraska to 66% complete in Texas. Conditions remained fair to mostly good across the Plains, despite continued drought stress in many areas.

OTHER CROPS: Rice combining reached 51% complete, 2 points ahead of average. Progress ranged from 20% complete in California to finished in Texas. All States were ahead of their normal harvesting pace, except Arkansas and Mississippi were slightly behind schedule. Stands continued in mostly good condition.

Peanut harvesting became more widespread. Digging was 7% finished in Virginia, 8% in Texas, 48% in Alabama, and 52% complete in Georgia.

Tobacco harvesting and marketing was active in all producing areas. Harvesting neared completion in the extreme South and was active elsewhere. Kentucky burley was 86% cut, slightly ahead of normal. North Carolina burley producers harvested 83%. Maryland tobacco growers cut 90% of their acreage. All areas had good curing weather.

VEGETABLES: Summer vegetable harvesting was virtually complete, while fall harvesting gained momentum in northern areas. Potato digging reached 15% completion in Idaho and 30% in Maine. Rains slowed seeding of fall crops in southern Florida, but planting remained very active in most other areas. Early-planted crops were up and growing well. Some light cucumbers and squash harvesting got underway. Heavy rains halted fall vegetable planting in the Texas Rio Grande Valley; some planted fields were damaged by standing water. Harvesting of peppers, cucumbers, carrots, and melons was active on the High Plains. California producers replanted wind damaged broccoli in the Palo Verde Valley. Market tomato picking continued in the northern San Joaquin Valley. Producers harvested heavy volumes of broccoli and carrots, and light to moderate supplies of artichokes, cantaloupes, cauliflower, celery, and lettuce.

FRUITS AND NUTS: Fall apple picking became more widespread in northern producing areas. Florida's citrus groves were in very good condition. Harvesting progressed slowly due to citrus canker concern. The California grape harvest was active on the north coast and San Joaquin Valley. Sugar levels were very high. Apple harvesting continued, while peaches, plums, and nectarines were still being packed. Desert lemons and Valencia oranges showed good quality.

PASTURES AND RANGES: Dry conditions caused pasture and range deterioration in most areas eastward from the Rocky Mountains. Livestock continued receiving supplemental feeding, and marketing increased in some areas. Cold temperatures and snow stressed livestock in the northern Rocky Mountains. Producers continued moving herds from summer grazing areas.

CROP PROGRESS

FOR WEEK ENDING SEPT 23

	CORN % DENT		
	1984	1983	AVG.
COLO	93	94	87
GA	100	100	100
ILL	100	100	100
IND	100	100	95
IOWA	96	97	95
KANS	100	90	90
KY	99	97	99
MICH	100	100	94
MINN	99	99	95
MO	100	100	100
NEBR	100	100	92
N C	100	100	100
OHIO	95	100	98
PA	70	83	82
S DAK	82	96	91
VA	94	97	97
WIS	93	87	87
17 STATES	97	98	95

THESE 17 STATES PRODUCED 90% OF THE 1983 CORN CROP.

	CORN % MATURE		
	1984	1983	AVG.
COLO	46	55	33
GA	99	100	100
ILL	80	89	84
IND	65	75	65
IOWA	72	93	71
KANS	80	65	65
KY	70	65	72
MICH	70	80	56
MINN	52	68	49
MO	81	88	72
NEBR	55	75	50
N C	97	97	95
OHIO	50	75	70
PA	8	27	27
S DAK	64	87	78
VA	81	90	92
WIS	55	74	64

THESE 17 STATES PRODUCED 90% OF THE 1983 CORN CROP.

	CORN % HARVESTED		
	1984	1983	AVG.
COLO	2	0	0
GA	84	80	83
ILL	7	11	8
IND	5	5	2
IOWA	6	13	6
KANS	20	15	15
KY	10	13	14
MICH	5	3	2
MINN	1	4	1
MO	25	33	23
NEBR	3	6	0
N C	46	55	59
OHIO	4	10	5
PA	1	0	2
S DAK	1	6	1
VA	30	38	36
WIS	5	2	2

THESE 17 STATES PRODUCED 90% OF THE 1983 CORN CROP.

	WINTER WHEAT % PLANTED		
	1984	1983	AVG.
CALIF	1	0	0
COLO	69	78	77
IDAHO	36	40	33
ILL	5	3	6
IND	8	8	8
KANS	25	20	30
MO	8	7	9
MONT	25	40	35
NEBR	70	75	75
OHIO	5	5	5
OKLA	15	20	20
OREG	10	13	22
S DAK	78	86	82
TEX	33	16	29
WASH	58	52	50
15 STATES	31	30	34

THESE 15 STATES PRODUCED 84% OF THE 1983 WINTER WHEAT CROP.

	WINTER WHEAT % EMERGED		
	1984	1983	AVG.
CALIF	0	0	0
COLO	44	42	39
IDAHO	14	15	11
ILL	0	0	0
IND	0	0	0
KANS	5	5	5
MO	2	0	3
MONT	0	0	0
NEBR	30	40	40
OHIO	0	0	0
OKLA	2	1	5
OREG	2	2	5
S DAK	43	47	46
TEX	10	1	7
WASH	45	43	38
15 STATES	12	11	12

THESE 15 STATES PRODUCED 84% OF THE 1983 WINTER WHEAT CROP.

	SORGHUM % COLORING		
	1984	1983	AVG.
COLO	79	83	76
KANS	80	70	75
MO	88	90	85
NEBR	85	100	90
OKLA	97	90	95
S DAK	83	93	90
TEX	92	91	91
7 STATES	86	85	85

THESE 7 STATES PRODUCED 85% OF THE 1983 SORGHUM CROP.

	SORGHUM % MATURE		
	1984	1983	AVG.
COLO	21	44	29
KANS	30	35	30
MO	74	77	61
NEBR	50	55	40
OKLA	35	20	55
S DAK	36	76	55
TEX	71	67	74
7 STATES	50	53	51

THESE 7 STATES PRODUCED 85% OF THE 1983 SORGHUM CROP.

	SORGHUM % HARVESTED		
	1984	1983	AVG.
COLO	5	1	0
KANS	10	10	5
MO	30	36	21
NEBR	3	5	4
OKLA	10	5	10
S DAK	4	2	4
TEX	66	60	68

THESE 7 STATES PRODUCED 85% OF THE 1983 SORGHUM CROP.

	RICE % HARVESTED		
	1984	1983	AVG.
ARK	31	32	33
CALIF	20	2	7
LA	89	76	87
MISS	38	20	39
TEX	100	100	100
5 STATES	51	45	49

THESE 5 STATES PRODUCED 98% OF THE 1983 RICE CROP.

	SOYBEANS % DROPPING LEAVES		
	1984	1983	AVG.
ALA	21	19	25
ARK	9	21	21
GA	32	23	28
ILL	64	74	65
IND	70	85	65
IOWA	75	73	62
KANS	60	55	40
KY	30	32	30
LA	27	28	30
MICH	70	85	60
MINN	92	79	71
MISS	12	28	44
MO	38	51	40
NEBR	25	60	45
N C	6	7	7
OHIO	50	70	65
S C	3	6	12
TENN	15	23	23
18 STATES	47	54	48

THESE 18 STATES PRODUCED 93% OF THE 1983 SOYBEAN CROP.

	SOYBEANS % HARVESTED		
	1984	1983	AVG.
ALA	1	0	0
ARK	0	1	1
GA	1	0	1
ILL	10	14	12
IND	7	10	5
IOWA	8	5	5
KANS	5	3	3
KY	2	2	3
LA	3	1	4
MICH	1	1	0
MINN	6	4	2
MISS	0	1	3
MO	4	7	5
NEBR	1	4	2
N C	0	0	0
OHIO	5	10	10
S C	0	0	0
TENN	0	0	0
18 STATES	5	5	5

THESE 18 STATES PRODUCED 93% OF THE 1983 SOYBEAN CROP.

	COTTON % BOLLS OPENING		
	1984	1983	AVG.
ALA	56	64	61
ARIZ	90	80	85
ARK	72	87	73
CALIF	98	60	64
GA	58	68	74
LA	67	57	70
MISS	84	80	87
MO	100	95	79
N MEX	70	28	40
N C	88	92	80
OKLA	25	30	35
S C	64	90	83
TENN	60	87	60
TEX	32	44	42
14 STATES	54	56	55

THESE 14 STATES PRODUCED 99% OF THE 1983 COTTON CROP.

	COTTON % HARVESTED		
	1984	1983	AVG.
ALA	1	4	7
ARIZ	1	2	4
ARK	5	13	10
CALIF	1	0	0
GA	5	3	17
LA	7	1	9
MISS	2	1	7
MO	4	20	20
N MEX	0	0	0
N C	0	2	9
OKLA	0	0	1
S C	2	3	11
TENN	0	5	11
TEX	14	13	15
14 STATES	8	8	10

THESE 14 STATES PRODUCED 99% OF THE 1983 COTTON 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 SRS State Statistical Offices in cooperation with the National Weather Service.

ALABAMA: Rainfall 0.00 in. entire State. Temperatures slightly below normal.

Soil moisture very short to short over the State. Fieldwork: 6.7 days. Corn harvested 67%, 73% 1983, 69% average. Soybeans turning yellow 42%, 47% 1983, 53% average. Soybeans dropping leaves 21%, 19% 1983, 25% average. Soybeans mature 10%, 16% 1983. Soybeans harvested 1%, 0% 1983, 0% average. Cotton bolls open 56%, 64% 1983, 61% average. Cotton harvested 1%, 4% 1983, 7% average. Peanuts dug 48%, 21% 1983, 39% average. Peanuts combined 34%, 10% 1983, 26% average. Sorghum harvested 52%, 45% 1983. Activities: harvesting corn, sorghum, peanuts, and vegetables; readying equipment for soybean and cotton harvest; preparing for fall planting; and routine care of livestock and poultry. Conditions: Soybeans mostly fair to good; cotton mostly good; peanuts, sorghum, and livestock fair to good; pasture fair.

ALASKA: Rainfall was light Tanana Valley amounts 0.10 in.; daytime highs 50's and overnight lows 30's. Matanuska Valley and Kenai Peninsula, rainfall amounts were near 1.00 in. Matanuska Valley. Daytime highs in the 50's and overnight lows in the 30's.

ARIZONA: Showers, thundershowers chiefly confined to Mogollon Rim, White Mountains. Isolated activity remainder of State; none over extreme west. Precipitation under 0.25 in. except 0.50 in. to little over 1.00 in. White Mountains. Cooler air spread across State 21st, 22nd, drier conditions reached into northwest. Average temperatures varied from 10° below normal at Douglas to 7° above at Phoenix.

Cotton 90% open bolls, 80% last year, 85% average. Picking limited scale, 1% harvested, 2% last year, 4% average. Defoliation, insect control active. Alfalfa good condition, harvest moderate pace. Market steady, most current tradings containing some degree rain damage. Sorghum grain good condition, maturity ranged from jointing to ready for harvest. Harvest increasing. Corn harvest active. Lemon harvest continued Yuma area. Cantaloupe harvest started. Planting lettuce, broccoli, cauliflower active Yuma area. Green onion harvest increasing. Carrot harvest slowed due to rain. Apple harvest reached peak.

ARKANSAS: Cool and dry earlier in week. Rains returned at end of week. Temperatures ranged from 2 to 6° below normal. High 91°, low 40°. Precipitation recorded in all sections. Most rainfall 5.15 in., least 0.01 in.

Soil moisture short in northwest to mostly adequate elsewhere. Days favorable for fieldwork: 6.8.

Cotton condition good; open bolls 72%, 87% 1983, 73% average; harvested 5%, 13% 1983, 10% average. Rice condition good; ripe 69%, 69% 1983, 75% average; harvested 31%, 32% 1983, 33% average. Soybean condition good; setting pods 99%, 95% 1983, 93% average; yellowing 20%, 35% 1983, 34% average; harvested less than 5%, 1% 1983, 1% average. Corn condition good; harvested 80%, 82% 1983, 75% average. Sorghum condition good; harvested 53%, 60% 1983, 67% average. Wheat seeding 3%, 2% 1983, 6% average. Livestock good to fair condition.

Pastures below average northwest to average elsewhere.

CALIFORNIA: Statewide, the weekly mean temperatures were better than 7° above normal. The south coast had the greatest departure, 11° warmer than normal. All divisions except the Cascade-Sierra with maximum temperatures over 100°. An upper level trough, about midweek, picked up northward moving sub-tropical moisture and produced widely scattered showers in all areas except the southeastern desert. The greatest shower totals were about 0.33 in.

Cotton 98% open bolls, 60% last year, 64% average. Good progress continues. Acreage 1% harvested, 0% last year, 1% average. Yields expected excellent. Rice 20% harvested, 2% last year, 7% average. Good quality and excellent yields reported. Hot, dry weather providing excellent drying conditions. Winter wheat 1% planted, 0% last year and average. Dry bean harvest continues; later planted beans still being irrigated. Corn grain and silage, sugarbeet, alfalfa hay harvests continue active. Grain sorghum progress good. Apple harvest continues. Hass avocado harvest active. The major date variety nearing harvest. Grape harvest active on north coast and San Joaquin Valley. Sugar levels very high. Peaches, plums, and nectarines still being packed. Persimmons starting to color. Pomegranates being harvested. Desert lemons excellent quality. Valencia orange quality and demand good. Almond yields excellent. Pistachio harvest beginning. Early walnut varieties being harvested. Artichoke harvest light. Broccoli fairly heavy supply central coast. Some replanting Palo Verde Valley due wind and sand damage. Cantaloupe harvest continued San Joaquin Valley. Carrot harvest fairly heavy Salinas Valley, increasing San Joaquin Valley. Cauliflower light to moderate supply, some diversion to freezers. Celery harvest fairly light due market conditions. Lettuce moderate supply. Potato harvest continued Perris-Hemet and Tulalake-Butte Valley. Market tomato harvest continued northern San Joaquin Valley coastal areas. Late harvest started Huron district. Light harvest processing tomatoes most districts. Fire hazard remains high. Movement of cattle summer pastures underway. Supplemental feeding active.

COLORADO: Fair and warm throughout week. Average temperatures generally 1 to 3° above normal. Precipitation amounts 0.10 in. or less except in portions of west slope and San Luis Valley where 0.40 in. were recorded. Cooler and windy on weekend.

Dry soil conditions have winter wheat behind normal; planting at 69%, 1983 78%, average 77%. Plant emergence at 44%, 1983 42%, average 39%. Corn condition very good; 93% dented, 1983 94%, average 87%; 46% matured; 1983 55%, average 33%. Grain harvest just beginning with 2%. Silage harvest at 73%, 1983 69%, average 64%. Sorghum 79% turned color; 1983 83%, average 76%; 21% has matured, 1983 44%, average 29%. Harvest at 5%, 1983 1%, average 0%. Alfalfa third cutting 59% complete, 1983 64%, average 63%. Spring wheat harvest 83% complete, 1983 82%, average 78%. Barley harvest at 96%, 1983 93%.

average 92%. Dry beans are 88% cut; 1983 86%, average 69%; 52% threshed, 1983 54%, average 41%. Summer potato harvest at 69%, 1983 69%, average 66%. Fall potato harvest at 43%, 1983 18%, average 12%. Onion harvest 61% complete, 1983 60%, average 49%. Averaged 6.4 days suitable for fieldwork.

FLORIDA: Rains beginning of week of up to 3.00 in. fell in the south. Heavy rains in northeast early week brought up to 10.00 in. Variable rainfall of mostly under 0.50 in. fell but local amounts of over 2.00 in. occurred. Rainfall amounts in south ranged from 2.00 to 4.00 in. but nearly 8.00 in. fell in the Fort Lauderdale area. Temperatures averaged 1 to 3° below normal in most of State but near normal south. Afternoon readings weekend were mostly 80's south; low 90's north.

Soil moisture excessive along east coast, adequate south, central areas, short north, Panhandle. Soybeans under severe stress due to dry weather, beginning to drop leaves early and reducing yields. Peanut digging continues active. Cotton condition good to excellent. Sugarcane making good growth. Land preparation for small grains underway. Hay harvest continues weather permitting. Good to excellent pasture conditions prevail most of State. A few localities, northwest, Panhandle poor to fair condition due to lack of moisture. Cattle remain in generally good condition statewide. Very good citrus grove condition. Moisture short some areas, some irrigation reported. New growth continues. Early fruit showing good maturity levels. Citrus canker concern slowing caretaker activities. Harvest progressing slowly. Rainfall moderate to heavy, southern vegetable areas. Temperatures slightly cooler. Winds moderate to strong in thunderstorms. Seeding fall crops very active most areas. Early crop up, growing well. Fruit set, blooming active tomatoes, peppers, squash, cucumbers, eggplant. Light harvest underway cucumbers, squash. Pepper, eggplant harvest expected soon.

GEORGIA: Temperatures about 4° below normal. Extremes from 91 to 39°. No rain at most stations. Highest rainfall total for week 0.38 in. at Brunswick.

Soil moisture 0% adequate, 33% short, 59% very short. Average days suitable for fieldwork: 6.2. Main activities harvesting peanuts and corn and planting small grains. Corn mature 99%, 100% last year and average; 84% harvested, 80% last year, 83% average; conditions 7% excellent, 54% good, 30% fair, 8% poor. Cotton bolls open 58%, 68% last year, 74% average; 5% harvested, 3% last year, 17% average; condition 8% excellent, 56% good, 33% fair. Peanuts dug 52%, 41% last year, 57% average; 34% threshed, 23% last year, 40% average; condition 17% excellent, 50% good, 29% fair. Soybeans setting pods 99%, 99% last year, 98% average; dropping leaves 32%, 23% last year, 28% average; 1% harvested, 0% last year, 1% average; condition 35% good, 40% fair, 20% poor. Grain sorghum condition 54% good, 34% fair, 9% poor. Tobacco harvested 100%, 100% last year and average. Wheat planted 3%, 4% last year, 5% average. Rye planted 7%, 10% last year, 9% average. Other small grains planted 5%, 10% last year and average. Apples harvested 83%, 77% last year, 87% average; condition 7% excellent, 66% good, 27% fair. Pecan condition 4% excellent, 49% good, 40% fair, 5% poor. Hay condition 36% good, 45% fair, 16% poor. Pasture condition 28% good, 48% fair, 21% poor. Cattle condition 67% good, 29% fair. Hog condition 67% good, 30% fair.

HAWAII: Weather was mostly sunny with occasional showers in the afternoons over interior sections. Water conservation programs continue in existing areas.

A tightening in irrigation from a three-hour to a two-hour daily schedule was imposed in the Waimea area of Hawaii Island, a major vegetable producing site in the State. Most crops in fair to good condition. Spraying continues heavy to combat insect and disease problems on all islands. Head cabbage supplies will remain moderate. Head lettuce output will be light to moderate as spotted wilt disease continues to reduce yields. Chinese cabbage production expected to remain at a moderate volume. However, irrigation cutbacks in Waimea may force Chinese cabbage farmers there to reduce future plantings. Papaya production on a seasonal decline. New maturity standards continue to result in a higher than normal cull rate.

IDAHO: A high pressure system moved through the State during the early part of the week bringing weak departures and scattered rainfall. Temperatures averaged from 2 to 6° above normal in the north with the remainder of the State averaging between 6 and 9° above normal. Rainfall amounts ranged from 0.25 in. below normal in the north to over 0.50 in. above normal in portions of the south.

Despite rain showers, harvesting progressed well as 6.1 days were suitable for fieldwork. Potato harvest advanced to 15% of the crop dug compared to 17% last year and 12% average. Spring wheat was 91% harvested compared to 96% a year ago and 92% average. Spring barley was 88% harvested versus 93% in 1983 and 92% average. The third cutting of alfalfa hay progressed to 34% harvested compared to 29% last year and 46% average. Dry beans were 36% harvested compared to 47% a year ago and 44% average. Silage corn rose to nearly 30% harvested versus 46% in 1983 and 40% average. The 1985 winter wheat crop was 36% seeded compared to 40% last year and 32% average. The new crop was 14% emerged versus 15% in 1983 and 11% average.

ILLINOIS: Temperatures normal to 6° above normal. Precipitation 0.00 to 3.35 in.

Soil moisture 50% adequate, 50% short. Corn mature 80%, last year 89%, average 84%; harvested 7%, last year 11%, average 8%. Soybeans turning yellow 85%, last year 88%, average 88%; shedding leaves 64%, last year 74%, average 65%; harvested 10%, last year 14%, average 12%. Sorghum harvested 6%, last year 8%, average 6%. Winter wheat seeded 5%, last year 3%, average 6%. Pasture condition 1% excellent, 42% good, 44% fair, 13% poor. Days suitable for fieldwork: 6.75.

INDIANA: Temperatures averaged 1 or 2° above normal in south and 3 to 6° above in north. Highs in mid 70's to low 90's. Lows from upper 30's to upper 50's. Precipitation at end of period heaviest in south. Totals 0.20 or 0.30 in. in northern third, 0.80 to 0.90 in. central, and 1.00 to 1.80 in. south.

Fieldwork averaged 6.5 days. Topsoil and subsoil moisture short to adequate. Corn condition 3% poor, 28% fair, 66% good, and 3% excellent. Corn 100% dented, 1983 100%, average 95%. Corn 65% mature, 1983 75%, average 65%. Corn 5% harvested, 1983 5%, average 2%. Corn moisture 30%, 1983 26%. Soybean condition 5% poor, 32% fair, 62% good, and 1% excellent. Soybeans 70% dropping leaves, 1983 85%, average 65%. Soybeans 7% harvested, 1983 10%, average 5%. Soybean moisture 14%. Wheatland 45% plowed, 1983 40%, average 48%. Wheat 8% seeded, 1983 8%, average 8%. Wheat 0% emerged, 1983 0%,

average 0%. Tobacco 70% harvested, 1983 60%, average 75%. Silos 60% filled, 1983 80%.

IOWA: A warm dry week. Warmest the 19th with maximum in the 90's most of State. Rock Rapids and Cherokee reported 97°.

Days suitable for fieldwork: 6.9. Corn crop condition 3% excellent, 57% good, 36% fair, 4% poor to very poor. Corn acreage in dent stage 96% complete; 97% last year; 95% normal. Corn acreage matured 93% complete; 93% last year; 71% normal. Corn harvesting 6% complete; 13% last year; 6% normal. Soybean crop condition 2% excellent, 44% good, 49% fair, 5% poor to very poor. Soybean acreage leaves turning color 93% complete; last year 95%; normal 89%. Soybean acreage shedding leaves 75% complete; last year 73%; normal 62%. Soybean acreage reaching maturity 60% complete; last year 36%; normal 36%. Soybean harvesting 8% complete; last year 5%; normal 5%. Third crop alfalfa hay 90% complete; 91% last year; 96% normal. Winter wheat acreage seeding 24% complete; 24% last year; 26% normal. Hay crop condition 1% excellent, 40% good, 38% fair, 21% poor to very poor. Topsoil moisture conditions 82% short, 18% adequate. Subsoil moisture conditions 21% adequate, 79% short. Livestock in good condition. Pasture conditions 1% excellent, 18% good, 30% fair, 38% poor, 13% very poor.

KANSAS: Precipitation averaged little or none west and northeast, 0.50 in. south central and 0.10 to 0.25 in. elsewhere. Temperatures averaged 69° east central and southeast, 74° southwest and 70 to 72° elsewhere. These were near normal southeast, east central and 7 to 8° above normal west.

Sorghum 10% harvested, 10% last year, 5% average; 80% turning color, 70% last year, 75% average; 30% mature, 35% last year, 30% average. Corn 100% dent, 90% last year and average; 80% mature, 65% last year and average; 20% harvested, 15% last year and average. Soybeans 60% dropping leaves, 55% last year, 40% average; harvested 5%, 3% last year and average. Winter wheat 25% planted, 20% last year, 30% average. Wheat emerged 5%, last year 5%, average 5%. Soil moisture short. Pasture and rangeland poor to fair. Days suitable for fieldwork: 6.0.

KENTUCKY: Mean temperatures 64 to 71°, within 2 to 3° of seasonal normal. Rainfall mainly on weekend. Amounts averaged from 1.00 to 1.50 in. across north and west, downward to 0.50 in. or less eastern third of State.

Soil moisture 85% short, 15% adequate. Burley tobacco 86% cut, 72% last year, average 84%. Crop curing well. Very little houseburn evident to date. Dark types 78% cut. Corn for grain harvest 10% complete, 13% year ago, 14% average; 70% mature or harvested, 65% last year, average 72%, 99% dent, 97% year ago, 99% average. Silage harvest active. Soybeans 30% dropping leaves or beyond, 32% year ago, 30% average, 2% harvested, same last year, average 3%. Pastures suffering, need rain.

LOUISIANA: Rainfall amounts ranged from 0.30 to 5.69 in. Temperatures averaged from 2° below normal to 1° above. High 91°, low 50°.

Soil moisture short north central and northeast, adequate to surplus elsewhere. Days suitable for fieldwork: 5.8. Activities included harvesting hay, rice, corn, sorghum, sweetpotatoes, and cotton; planting sugarcane; and fall plowing. Rice rippled 93% 1984, 94% 1983, 97% average; harvest 89% 1984, 76% 1983, 87% average. Corn harvest 96% 1984, 85% 1983, 90% average. Cotton open bolls 67% 1984, 57%

1983, 70% average; harvest 7% 1984, 1% 1983, 9% average; condition good. Soybeans turning color 53% 1984, 56% 1983, 56% average; leaves shedding 27% 1984, 28% 1983, 30% average; harvest 3% 1983, 1% 1983, 4% average; condition good. Sorghum ripe 98% 1984, 93% 1983, 89% average; harvest 93% 1984, 82% 1983, 73% average. Winter wheat planting 2% 1984, 2% 1983, 3% average. Sweetpotato harvest 64% 1984, 61% 1983, 57% average. Sugarcane planting 49% 1984, 47% 1983, 53% average; condition fair. Vegetable condition fair. Hay final cutting 82% 1984, 73% 1983, 71% average. Pasture and livestock condition fair to good.

MARYLAND AND DELAWARE: Maryland: Fifth consecutive week with light showers, 0.34 in. west, zero to 0.12 elsewhere. Temperatures 3 to 6° below normal.

Seven days suitable for fieldwork. Corn in fair to good condition. Corn all dented, one week behind 1983 and average. Corn mature 45%, last year 65%, average 70%. Silage harvest 75%, 1983 and average 80%. Corn grain harvest 15%, last year 25%, average 20%. Soybeans 100% podded, equal to 1983 and average. Soybeans turned 50%, 1983 and average 55%. Soybeans shedding leaves 20%, last year 15%, average 20%. Tobacco all topped. Tobacco harvested 90%, last year 65%, average 85%. Small grain planting on schedule. Barley 25% planted, 1983 10%, average 20%. Wheat 5% planted, equal to 1983, 10% average. Rye 20% planted, 1983 and average 25%. Oats 5% planted, 1983 none planted average just beginning. Third cutting of other hay complete. Fourth cutting of alfalfa hay 65% complete, equal to 1983 and the average.

Delaware: Cool week with scattered showers ranging from zero at Georgetown to 1.15 in. at Dover on the 15th. Temperatures averaged 6° below normal with highs in the mid 80's and lows in the 40's.

Topsoil and subsoil moisture short. Seven days suitable for fieldwork but dry weather has slowed seeding of small grains and hay harvest at a standstill due to lack of growth from no rain. The average condition of corn remains good. Most of the corn crop developed before moisture became short. Dented corn 95%, equal to 1983 and average. Mature corn 80%, last year 85%, average 80%. Twenty percent of corn harvested for grain, 1983 15%, average 25%. Silage 95% cut, 1983 and average 80%. Soybean condition declined to poor overall. Immediate rains would help enhance yields. As of September 23 all beans had podded, equal to last year and the average. Soybeans turning on 75% of the acreage, 1983 30% had turned and the average 70% turned. Thirty percent of the beans have begun shedding leaves, last year 10%, average 20%.

MICHIGAN: Temperatures average 3° above normal across the State. Precipitation was light over most of the State.

Excellent weather during the week enhanced dry bean and corn silage harvest. Statewide 6.0 days suitable for fieldwork. Corn 100% dented, 100% last year, 94% average. Corn 70% mature, 80% last year, 56% average. Corn 5% harvested, 3% last year, 2% average. Soybeans 70% shedding leaves, 85% last year, 60% average. Soybeans 30% mature, 45% last year, 25% average. Soybeans 1% harvested, 1% last year, 0% average. Dry beans 45% harvested, 30% last year, 39% average. Corn silage 45% harvested, 45% last year, 33% average. Third cutting hay 70% baled, 75% last year, 67% average. Wheat 10% planted, 10% last year, 15% average. Fruit and vegetable harvest remains active throughout the State.

MINNESOTA: The week began very warm, setting several records, and ended with below normal temperatures. The dry spell continued for another week. Temperatures averaged 5 to 8° above normal. High: 99°, low: 31°. Precipitation averaged near normal to 0.25 in. above normal for the west central and central, and 0.21 to 0.63 in. below normal elsewhere. Greatest weekly total: 1.69 in.

The warm, dry weather speeded up maturity of soybeans and corn, and benefitted late-planted crops. The soybean crop was nearly a week ahead of the average and harvest was underway in many areas. The week was excellent for silo filling. Fall tillage continued to be limited by the dryness. Sugarbeet harvest continued in the Red River Valley. The dry soil condition have caused serious problems for potato harvest. Pasturelands continued to deteriorate and livestock in some areas was on full supplemental feed. Days suitable for fieldwork: 6.1. Topsoil moisture: 21% very short, 39% short and 40% adequate. Field corn: Denting 99%, 1983 99%, normal 95%; mature 52%, 1983 68%, normal 49%; harvested 1%, 1983 4%, normal 1%; condition 6% poor, 35% fair, 52% good, 7% excellent. Soybeans: shedding leaves 92%, 1983 79%, normal 71%; mature 43%, 1983 37%, normal 30%; harvested 6%, 1983 4%, normal 2%; condition 2% poor, 39% fair, 55% good, 4% excellent. Sunflower: bracts turning yellow 99%, 1983 94%, normal 91%; bracts turning brown 66%, 1983 60%, normal 58%; harvested 2%, 1983 1%, normal 3%. Sugarbeets: harvested 9%, 1983 10%, normal 5%. Potatoes: harvested 56%, 1983 36%, normal 39%.

MISSISSIPPI: Temperatures below normal, extremes 44 and 93°. Greatest 24-hour rainfall 1.18 in.

Soil moisture short. Fieldwork 6.5 days, 3.7 1983, 5.2 average. Main activities: Harvesting rice and milo. Cotton condition good; 84% open bolls, 80% 1983, 87% average; 2% harvested, 1% 1983, 7% average. Soybeans fair to good; 12% dropping leaves, 28% 1983, 44% average; 0% harvested, 1% 1983, 3% average. Rice good to fair; 38% harvested, 20% 1983, 39% average. Sorghum good to fair; 50% harvested, 47% 1983, 45% average. Corn fair to good; 50% harvested, 53% 1983, 59% average. Sweetpotatoes 38% harvested, 29% 1983, 33% average. Hay 88% harvested, corn silage 94% and sorghum silage 81%. Pasture condition fair. Pecan condition fair.

MISSOURI: Cool air prevailed as temperatures averaged 4° below normal, ranging from 10° below normal in the north to 6° below normal in the south. Precipitation was generally below 0.25 in. except for a band between Springfield and St. Louis where an average was just over 1.00 in.

Days suitable for fieldwork: 6.2. Soybeans turning color 68%, 76% last year, 60% normal. Soybeans dropping leaves 38%, 51% last year, 40% normal. Soybeans mature 14%, 26% last year, 20% normal. Soybeans harvested 4%, 7% last year, 5% normal. Condition of soybeans 6% good, 62% fair, 32% poor. Corn mature 81%, 88% last year, 72% normal. Corn harvested 25%, 33% last year, 23% normal. Sorghum mature 74%, 77% last year, 61% normal. Sorghum harvested 30%, 36% last year, 21% normal. Condition of sorghum 30% good, 56% fair, 14% poor. Cotton with bolls opening 100%, 95% last year, 79% normal. Cotton harvested 4%, 20% last year, 20% normal. Condition of cotton 50% good, 50% fair. Wheat planted 8%, 7% last year, 9% normal. Wheat emerged 2%, 0% last year, 3% normal. Condition of pasture 11% good, 49% fair, 40% poor.

Topsoil moisture supply 1% surplus, 43% adequate, 56% short.

MONTANA: Very warm and dry first of week with record high temperatures. Much cooler by end of week. For week temperatures averaged 3 to 7° above normal. Precipitation over all the State by end of week with 1.00 to 1.50 in. over some of the west, southwest and south central. Remainder of State received around 0.25 to 0.50 in.

Soil moisture remains short except west of Continental Divide. Fieldwork, days suitable 5.9. Crops harvested compared with last year and average: Corn silage 60, 70, 55; dry beans 65, 60, 40; potatoes 20, 15, 10. Sugarbeet harvest expected to start September 29. Winter wheat seeding 25% complete, last year 40%, average 35%. About 50% of cattle and sheep moved to winter pastures. About 15% of livestock receiving supplemental feed.

NEBRASKA: Warm, dry across State. Temperatures averaged 4 to 8° above normal. First light freeze was reported early in week. Precipitation very light and scattered.

Wheat planted 70%, 75% last year and average. Wheat emerged 30%, 40% last year and average. Corn condition 3% poor, 21% fair, 61% good and 15% excellent. Corn dented 100%, 100% last year, 92% average. Corn mature 55%, 75% last year, 50% average. Corn harvested 3%, 6% last year, 0% average. Sorghum condition 4% poor, 37% fair, 55% good, 4% excellent. Sorghum turning color 85%, 100% last year, 90% average. Sorghum mature 50%, 55% last year, 40% average. Sorghum harvested 3%, 5% last year, 4% average. Soybean condition 6% poor, 50% fair, 44% good. Soybeans turning color 75%, 85% last year, 80% average. Soybeans dropping leaves 25%, 60% last year, 45% average. Soybeans harvested 1%, 4% last year, 2% average. Topsoil moisture 91% short, 9% adequate. Subsoil moisture 74% short, 26% adequate. Days suitable for fieldwork were 6.9.

NEVADA: Cold air moved into State end of period ending summer season. Temperatures early in week well above normal. Precipitation heavy central and east causing some flash flooding.

Potato digging slowed temporarily by light showers. Alfalfa seed harvesting nearing completion. Ranges continue excellent condition.

NEW ENGLAND: Average precipitation ranged from 0.50 to 1.00 in. across northern Maine, to 0.25 in. or less elsewhere. Average temperatures ranged from the mid 40°'s near the Canadian border to 60°'s along the southern coast.

Soil moisture supplies short to adequate. Very short levels in southern Maine. Grazing availability short to adequate. Days suitable for fieldwork averaged 6.0. Silage corn 35% chopped, 30% last year and normal. Maine potatoes 30% dug, 35% last year and normal. Maine oats 85% harvested. Sweet corn 95% picked. Third cut hay harvest advanced to 65%; 70% last year. Apples 30% harvested.

NEW JERSEY: Temperatures averaged near normal. Extremes were 32° on the 19th and 85° on the 21st. Weekly rainfall averaged 0.04 in. north, 0.01 in. central and 0.00 in. south. The heaviest 24-hour total was 0.09 in. on the 23rd and 24th. Estimated soil moisture, in percent of field capacity, averaged 82% north, 81% central and 68% south. Four inch soil temperatures averaged 64° north, 69° central and 71° south.

Fieldwork: 6.5 days suitable. Cool, sunny weather conditions were beneficial for most fall crops. Topsoil moisture supply remains adequate. Movement of fall vegetables increasing. Mostly good quality fall apples being harvested. Corn silage harvest continues. Soybean prospects good. Cranberry harvest underway. Pastures browning in most areas.

NEW MEXICO: Average temperatures for week little above normal most locations. Rainfall totals generally less than 0.50 in. Moderate hail isolated locations.

Soil moisture supplies short to adequate. Alfalfa good to excellent: fourth cutting continued, fifth cutting started in southeast. Cotton fair to good. Corn good to excellent; silage harvest neared completion. Barley fair to good; planting over half completed. Irrigated, dryland wheat good; planting neared completion. Irrigated, dryland grain sorghum good to excellent. Pecans good to excellent. Apples fair to good; harvest neared completion. Peanuts good; digging started. Chile fair to good; green chile harvest neared completion, red harvest continued. Lettuce fair. Cattle good. Sheep good to excellent. Range fair to good, excellent in some locations. Cotton open bolls: 70%, last year 28%, average 40%; harvested 0%, last year 0%, average 0%.

NEW YORK: The week started out with temperatures quite cold and well below normal, with daytime temperatures climbing slowly until 21st. Nighttime readings generally peaked on 20th and started to fall again thereafter. Most of the lowest readings were on 16th and 17th while the highs were on 20th. Rainfall was generally quite light for the week. Most locations have less than 0.10 in.

The weather was good for drying crops during the week but the corn crop late in maturing and will need a few more weeks of good weather. Corn silage harvesting 10% complete, compared with 15% a year ago and the average of 20%. Third cutting of alfalfa continues, with 50% of the crop cut. This compares with 70% last year and the average of 62%. Winter wheat planting underway. Harvesting of sweet corn, lettuce, cucumbers and snap beans winding down, while onions, cabbage, tomatoes, potatoes and cauliflower just reaching their peak. McIntosh apple harvest in full swing. Bosc pear harvest virtually complete in the Hudson Valley. The grape harvest at its peak in the Hudson Valley and Finger Lakes Region.

NORTH CAROLINA: Temperatures averaged 5 to 8° below normal statewide. Precipitation nonexistent in all areas of the State, except for the southern coastal plain region where between 0.00 and 1.19 in. fell.

Soil moisture: 24% very short, 36% short, 33% adequate, 7% surplus. Days suitable for fieldwork: 5.9. Condition: cotton 39% fair, 61% good. Peanuts 42% fair, 58% good. Soybeans 9% poor, 32% fair, 57% good, 2% excellent. Sweetpotatoes: 7% poor, 33% fair, 57% good, 3% excellent. Apples 11% fair, 72% good, 17% excellent. Sorghum 2% poor, 24% fair, 74% good. Phenological stages: Cotton open bolls: 88%, 1982 92%, 80% average. Corn mature: 97%, 1983 97%, 95% average. Soybeans setting pods: 97%, 1983 93%, 91% average. Soybeans dropping leaves 6%, 1983 7%, 7% average. Harvest: Burley tobacco 83%, 1983 48%, 75% average. Corn for silage 82%, 1983 86%, 87% average. Corn for grain 46%, 1983 55%, 59% average. Sweetpotatoes 16%, 1983 10%, 25% average. Apples 58%, 1983 43%, 53% average. Sorghum grain 19%, 1983 19%,

25% average. Major farm activities: Burley and flue-cured tobacco harvest, corn grain and silage harvest, marketing tobacco, baling hay, harvesting apples, disking tobacco stalks, working ground for fall crops and seeding small grain.

NORTH DAKOTA: Weather was highly variable. Unseasonably warm weather prevailed early. Afternoon temperatures soared into the 80's and 90's southeast and south central, with 96° on the 19th a new record. Cooler weather moved into the northwest on 20th. Temperatures averaged from 3° above normal north central to 9° above east central. Extremes ranged from 27° on the 16th to 97° on the 19th. Significant precipitation occurred only in the far west. Points around the State generally had less than 0.10 in. As the week ended, snowy, wintry weather poured into the southwest with up to 8 in. of snow.

The season's first snowfall along with sleet and rain, brought harvest activities to a standstill on the 23rd. Sunflower, winter wheat and rye crops to benefit, along with making fall tillage easier. Much more precipitation needed before soil moisture recharged to normal fall levels. Topsoil moisture supplies 93% short or very short, 7 adequate. Subsoil 98% short or very short, 2 adequate. Row crop maturity ahead of average with conditions unchanged from last week, all rate mostly fair except soybeans (mostly good). Harvest progress compared to last year and average: Flax 90, 77, 58; dry beans 91, 35, 42; potatoes 75, 28, 41; soybeans 31, 15, 10; corn grain 2, 8, 3; and sugarbeets 9, 10, 5. Few scattered sunflower fields combined.

OHIO: Temperatures 2 to 6° above normal. Range from upper 30's to upper 80's. Precipitation less than 0.25 in. at most stations with totals as high as 0.60 in. Four-inch soil temperatures mid-60's to near 70°.

Topsoil moisture 25% short, 75% adequate: 6.5 days suitable for fieldwork. Activities: Cutting corn for silage, finishing hay, beginning fall harvest, planting wheat. Corn dented 95% 1984, 100% 1983, 98% average; mature 50% 1984, 75% 1983, 70% average; harvested 4% 1984, 10% 1983, 5% average; condition good. Soybeans dropping leaves 50% 1984, 70% 1983, 65% average; harvested 5% 1984, 10% 1983, 10% average; condition good. Winter wheat planted 5% 1984, 1983, average; emerged 0% 1984, 1983, average. Pasture condition fair to good.

OKLAHOMA: Temperatures averaged 2° above normal Panhandle to 4° below normal east central. Precipitation averaged trace Panhandle and west central to 1.88 in. southeast.

Dry weather aided harvesting but hindered development of late planted row crops. Some farmers "dusting in" wheat seed, but most farmers postponing sowing until adequate moisture received. Premature boll opening of cotton may result in lower yields. Late planted sorghum especially suffering from lack of moisture. Herd liquidations continued because of short pasture, hay, and water supplies. Cotton and sorghum fair, pastures fair-to-poor, livestock good-to-fair condition. Wheat planted: 15%, 20% 1983, 20% average. Wheat emerged: 2%, 1% 1983, 5% average. Sorghum mature: 35%, 20% 1983, 55% average. Sorghum harvested: 10%, 5% 1983, 10% average. Cotton open bolls: 25%, 30% 1983, 35% average. Cotton harvested: 0%, 0% 1983, 1% average.

OREGON: Precipitation at end of week left 0.10 in. in Willamette Valley, 0.40 in. in

southwestern valleys, 0.20 in. in northeast and south central areas. Average temperatures were 5 to 6° above normal.

Soil moisture supplies improving. Late harvest of spring grains at high elevations. Seeding of 1985 winter wheat advancing in east. Statewide, 10% planted; last year 13%; average 22%. Seeding slow due to short moisture and need for fungus control. In Willamette Valley: Red clover harvest, Crimson clover seeding, annual ryegrass seeding, tilling in preparation for fall grain seeding. Corn silage cutting in Maulheur, Umatilla and Jackson counties. Final hay cuttings statewide. Winter pear harvest in Hood River Valley. Medford area fruit harvest complete by weekend. Prune harvest in full swing, crop light. Peach harvest about over. Cranberries coloring, size small. Filberts falling, sweeping in 2 weeks. Russet Burbank potato harvest started in Hermiston/Boardman area; Norgolds all dug. Central Oregon potato digging set to begin. Vines not protected were killed by frost in Klamath. Malheur potato harvest continues; also onion harvest underway. Sweet corn harvesting in Willamette Valley. Livestock in generally good condition. Permit grazing near end of season, some yearling shipments beginning. High elevation pastures remain in good condition; east of mountains low elevations still dry but improving. Near coast fall pasture growth outstanding.

PENNSYLVANIA: This week was extremely dry, with no station reporting more than a trace of rainfall. Temperatures were well below normal, with the nationwide record low of 30° at Philipsburg on the 18th. A large high pressure system over the East Coast brought mostly sunny skies and moderating temperatures for the rest of the week. The statewide average temperature was 59°, 1° below normal. Average precipitation was a trace, 0.81 in. below normal.

Days suitable: 6.0. Moisture mostly adequate to short. Activities: Fall plowing; seeding small grains; making hay; harvesting potatoes, tobacco, green chop, corn silage, high moisture corn, apples and peaches. Tobacco harvest virtually complete, last year 84%. Potatoes 56% harvested, last year 58%. Corn silage 25% harvested, last year 38%. Corn for grain 70% dented or past and 8% mature, last year 83% dented or past and 27% mature; average 82% dented or past and 27% mature. Fall plowing 66% complete; last year 60%, average 66%. Barley 48% planted, last year 47%. Wheat 42% planted, last year 26%. Third crop alfalfa 75% harvested, last year 85%. Fourth crop alfalfa 44% harvested, last year 27%. Quality of hay made mostly good to fair. Feed from pastures mostly average.

PUERTO RICO: No report available.

SOUTH CAROLINA: Sunny, but cooler than usual temperatures much of week. Temperatures averaged 4 to 5° below normal. Temperatures climbed to near or above seasonal values over weekend. No rain reported over State during week.

Soil moisture very short to short. Days available for fieldwork: 6.1. Corn condition good; 77% harvested, 75% last year, 81% average. Cotton condition good; 64% open bolls, 90% last year, 83% average; 2% harvested, 3% last year, 11% average. Soybean condition fair; yields hurt by drought, 21% leaves turning, 18% last year, 26% average, 3% shedding leaves, 6% last year, 12% average. Tobacco harvesting complete, 69% stalks destroyed, 55% last year. Apples condition excellent; 69% harvested, 53% last year, 72% average. Grape harvest

continues, condition good to excellent. Fall hay harvest continues with fair to good conditions. Very dry soils delaying planting of winter grazing crops and land preparation for seeding small grains.

SOUTH DAKOTA: Average temperatures were 4 to 14° above normal. Extremes: 33 and 102°. Precipitation was light and scattered.

Days suitable for fieldwork: 6.0. Topsoil moisture short and critically short over most of the State. Adequate supplies scattered in the east. Cutting of corn and sorghum silage, hauling hay and seeding winter grains were main farming activities. The entire State could use a good rain. Range and pastures good condition central and south central, fair across remainder of State. Livestock good. Some supplemental feeding necessary due to shortage of pasture. Sorghum harvested 4%, 1983 2%, average 4%. Sorghum turning color 83%, 1983 93%, average 90%. Sorghum mature 36%, 1983 76%, average 55%. Corn harvested 1%, 1983 6%, average 1%. Corn dent 82%, 1983 96%, average 91%. Corn mature 64%, 1983 87%, average 78%. Winter wheat planted 78%, 1983 86%, average 82%. Winter wheat emerged 43%, 1983 47%, average 46%.

TENNESSEE: Mainly dry weather, a result of a large, high pressure area north of the State, prevailed during the week. Temperatures were normal in the west, 3 to 5° below normal in the middle and most of the east, with the northeast averaging 8° below normal. Rainfall in the west was generally light and elsewhere received little, if any, precipitation.

Soil moisture levels were rated: 17% adequate, 83% short. Farmers averaged 6.0 days of fieldwork. Corn mature: 81%, 1983 85%, average 80%; harvested: 16%, 1983 21%, average 21%. Cotton open bolls: 63%, 1983 87%, average 60%. Soybeans yellowing leaves: 49%, shedding leaves: 15%, 1983 23%, average 23%; mature: 2%, 1983 3%, average 4%. Tobacco harvested - burley: 88%, 1983 80%, average 85%; dark-fired: 80%, 1983 68%, average 81%; dark air-cured: 87%, 1983 75%, average 84%. Wheat acreage sown: 9%, 1983 6%, average 12%. Sorghum coloring: 92%, mature: 26%, harvested: 8%. Pastures and livestock continue in fair condition.

TEXAS: Wet week Lower Rio Grande Valley. Elsewhere, skies fair. Temperatures 80's, lower 70's Lower Rio Grande Valley. Upper air trough moved across State widespread thundershowers statewide. Rains meager. Cloudiness associated with rain held maximum temperatures 70's and 80's. By week's end light to moderate rain Central Texas. Cool week overall, temperatures 1 to 3° below normal. Lower Rio Grande Valley 7° below normal. Lower Valley, East Texas wetter than normal. Elsewhere, drier than normal.

Crops: Cold front moved across State early week, cooler night time temperatures, moderate day time temperatures majority State. Crops in Plains good progress, despite cooler conditions. Harvest progressed other areas, except East Texas, rain halted field activities. Lower Rio Grande Valley heavy rainfall, flooding conditions serious problems, households and vegetable crops already planted. Small grains dusted in, producers await moisture for germination. Cotton harvest good progress Blacklands, Central Texas. Harvest East Texas temporarily halted by rainfall. Yields good in area, Plains, cotton open rapidly. Bollworm pressure relieved, prospects irrigated fields look good. Some irrigated fields Low Plains defoliated. Current condition 68% of normal compared with 58% a year ago. Reported

conditions 2% excellent, 55% good, 19% fair, 20% poor and 4% failure. Grain sorghum good progress Plains. Cooler temperatures slowed maturity slightly; warmer day time temperatures allowed good progress. Some fields for seed being cut. Harvest begin soon most fields for grain. Low Plains, non-irrigated fields look good; additional moisture needed. Currently, crop 67% of normal, unchanged from a year ago. Reported conditions 5% excellent, 46% good, 27% fair, 19% poor and 3% failure. Corn harvest good progress Plains due ideal weather conditions. Yields fair to good. Costs high due heavy rates irrigation. Low Plains, yields poor due lack of moisture. Current condition 70% of normal compared with 81% a year ago. Reported conditions 8% excellent, 44% good, 31% fair, 16% poor and 1% failure. Peanut harvesting underway irrigated fields northern, central regions. Yields down due dry conditions despite heavy irrigation. Other areas, fields maturing, some leaf spot and wilting problems. Watering continues most areas. Sugarbeet harvest begun High Plains. Good yields reported due ideal growing conditions during season. Small grain planting continued most areas due open weather. Many areas dry, rainfall needed proper germination. Some emergence Central Texas. Harvesting early soybeans Upper Coast virtually completed. Pods filling well later varieties. Light insect populations minor problems.

Cotton open bolls 32%, 44% 1983, 42% average; harvested 14%, 13% 1983, 15% average. Sorghum turning color 92%, 91% 1983, 91% average; mature 71%, 67% 1983, 74% average; harvested for grain 66%, 60% 1983, 68% average. Wheat planted all purposes 33%, 16% 1983, 29% average; emerged 10%, 1% 1983, 7% average. Corn harvested for grain 75%, 79% 1983, 61% average. Peanuts harvested 8%, 6% 1983, 18% average. Soybeans harvested 14%, 1% 1983, 2% average. Sugarbeets harvested 3%, 0% 1983, 0% average. Sunflowers harvested 12%, 6% 1983, 14% average. Oats planted for all purposes 15% 1983, 19% average.

Commercial vegetables: Rio Grande Valley, planting fall vegetables continues some areas; heavy rains halted field operations, standing water damage crops already planted. Citrus regrowth good, rains have helped rehabilitation. High Plains, harvest continues peppers, cucumbers, melons. Carrot harvesting underway, good crop reported. Trans-Pecos, pepper harvest continues. Cabbage harvest good progress. Sweetpotato harvest continued East Texas. Irrigated fields good yields. Prices good, helping offset poorer yields in dry areas. Pecans mature many areas, shuck split occurred, harvest begin soon. Other areas water to soft dough stages. Droppage still problem due insects, lack of water.

Range and livestock: Range grasses areas where moisture received early summer beginning decline. Producers continue feed heavily, forage short many areas. Liquidation picked up, prices beginning decrease slightly. Livestock fair to good due heavy supplemental feeding. Water very short some areas. Calving begun across State.

UTAH: Precipitation very light Dixie area, light to moderate rest of State except light to heavy mountainous areas north half State. Temperatures averaged 6° above normal, ranging 2.5° to 10.5° above.

Small grain harvest winding down. Winter wheat seeding continues. Six days available for fieldwork. Third cutting alfalfa hay 61% complete. Approximately 66% in dough or past, about half dented. Tree fruit harvest

progressing rapidly with pear picking virtually complete and peaches over 80%. Apples just beginning. Dry onion and bean harvest also in operation but delayed by wet weather.

VIRGINIA: State remained under influence of large, cool high pressure center with virtually no rainfall. Record low temperatures were observed at several locations on 18th and 19th. Slow warming trend occurred during later part of period. Temperatures averaged 4 to 6° below normal, no precipitation was observed.

Dry weather persisted for another week. Soybeans showing drought stress, pasture land very dry. Topsoil moisture rated 92% short, 8% adequate. Days suitable for fieldwork averaged 6.1. Corn yields above average in most areas. Corn 94% in or beyond dent stage, 96% last year and average. Maturity reached by 81% of crop, 90% last year, 92% average. Harvest of grain corn 30% complete, 38% last year, 36% average. Silage 73% cut, 80% last year, 78% average. Soybeans in good condition but condition declining. Need rain. Insect problems minor. Some harvest activity reported in east. Tobacco harvest finishing in some areas. Flue-cured tobacco harvest 80% complete, 77% last year, 86% average. Dark-fire tobacco harvest 93% complete, 89% last year, 92% average. Burley tobacco harvest 87% complete, 76% last year, 86% average. Sun-cured tobacco harvest near 80% complete. Peanut conditions have fallen slightly but still rated good. Early variety harvest becoming active. Peanuts 7% dug, 5% last year, 6% average. Peanuts 4% combined, 1% last year, 3% average. Apple harvest progressing normally, 34% complete, 29% last year, 34% average. Small grain planting active in most areas. Oats 16% seeded, the same as last year and average. Wheat about 4% planted, normal progress. Cattle marketing active. Pasture land dry but still in good condition. Final cut of hay yielding well with good quality.

WASHINGTON: The State was generally warm and dry until midweek under the influence of high pressure centered to the southwest. The pattern changed at midweek as two fronts brought light rain to most areas on 19th and 20th. At week's end significantly cooler weather was forecast.

Winter wheat seeding continues with 58% seeded at week's end compared to 52% last year and 50% average. Harvest continues, for most vegetable crops, and apple and grape harvest underway. Pastures short, but feed supplies were adequate. Some livestock in the east were being moved to lower elevations and stubble fields. Winter wheat planted 58% 1984, 52% 1983, 50% average. Winter wheat emerged 45% 1984, 43% 1983, 38% average.

WEST VIRGINIA: Temperatures averaged 4° below normal in northeast, south, central divisions and near normal northwest, north central, southwest. Low of 23° in Canaan Valley, high of 94° in Burlington. No precipitation during the week.

Soil moisture short. Days suitable for fieldwork: 5.8. Main activities: Haying, filling silos, clipping pasture and harvesting tobacco.

WISCONSIN: No significant precipitation in the week.

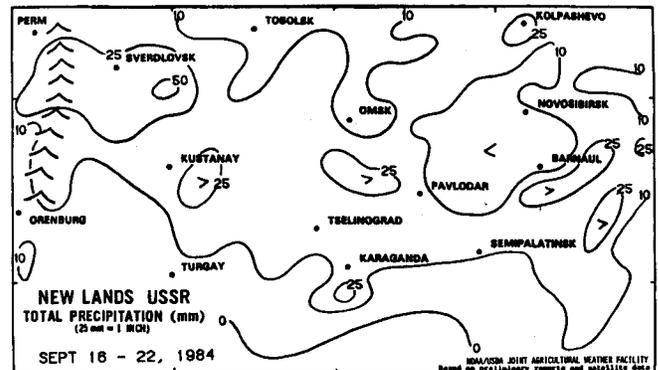
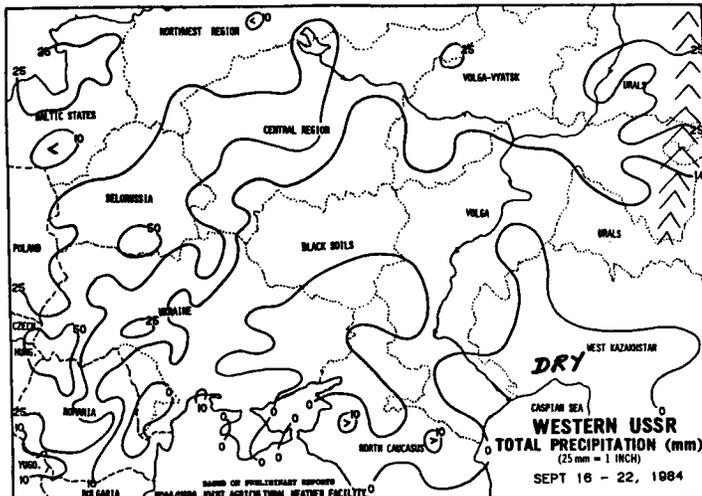
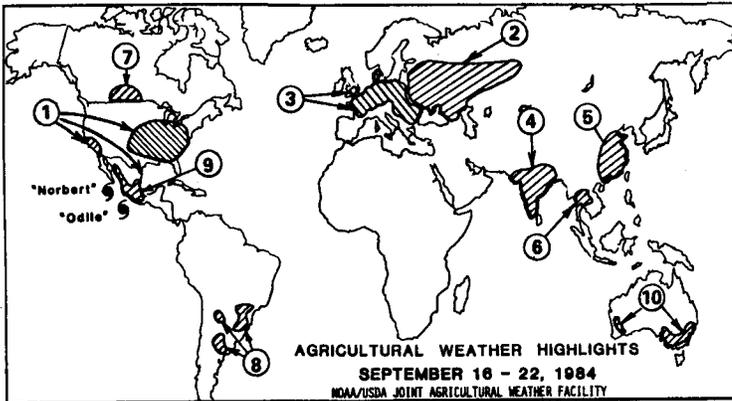
Low humidity made for beautiful hay drying weather. Soil moisture was 27% short, 67% adequate, 6% dry. There were 6.6 days suitable for fieldwork. Third cut hay was 60% harvested about the same as last year and the average. Good quality hay was taken as weather cooperated (continued on back page)

International Weather and Crop Summary

Sept. 16 - 22

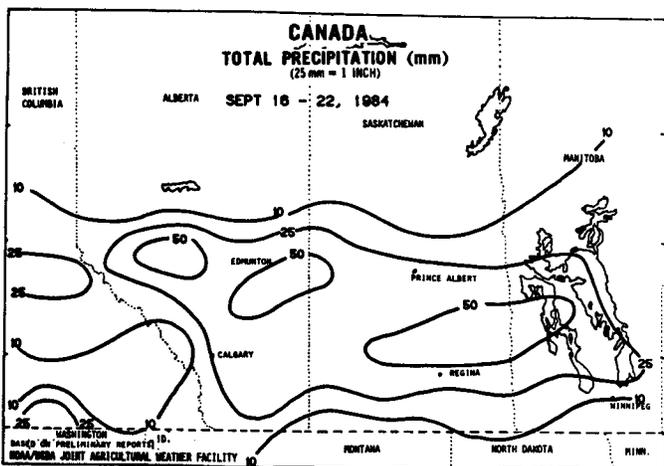
HIGHLIGHTS:

1. UNITED STATES ... Sunny, dry weather over much of the Nation favors cotton harvesting in the Delta, sorghum in the Great Plains, corn and soybean in the Corn Belt, and other general crops in the Southeast. However, dryness stresses some southeastern soybeans and delays winter wheat planting in the Plains. Torrential rains destroy some Texas Lower Rio Grande Valley vegetables. The prolonged California heat wave, which favored raisin drying and advanced crop maturity, breaks late in the week.
2. USSR ... Cool, wet weather in west European areas slows corn maturation and delays harvesting. Warm, dry weather aids fieldwork in the eastern Ukraine and North Caucasus. In the west New Lands, wet weather creates additional harvest delays.
3. EUROPE ... Generally dry weather aids fieldwork in the north. Cool, wet weather slows corn maturation in southwestern France. Showers halt fieldwork in the southeast.
4. SOUTH ASIA ... Monsoon activity weakened earlier than normal in central crop areas. Most northern crops have adequate moisture. Precipitation in the south benefits cotton and groundnuts.
5. EASTERN ASIA ... Early week rain gives way to drier weather in the North China Plain, favoring cotton, corn, and soybean harvesting. Winter wheat planting is underway with mostly favorable moisture.
6. SOUTHEAST ASIA ... Moderate rain benefits the south central rice in Thailand. Moderate to heavy rain in the Philippines favors lowland rice.
7. CANADA ... Subfreezing temperatures and snow late in the week causes additional delays for harvests in northern portions of Alberta and Saskatchewan; but the precipitation was beneficial for southern crops where soil moisture reserves are very low.
8. SOUTH AMERICA ... Rain aids wheat growth in eastern Argentina but slows northern wheat ripening in Brazil. Recent showers improve conditions for summer crop planting which will increase during the next few weeks.
9. MEXICO ... Tropical rains wet the upper northeast and most of the southern half, benefiting late crops. Sunny, mostly dry weather favors west coast crops, while drought stresses pastures and livestock in the north central region.
10. AUSTRALIA ... Showers and mild weather promote vegetative wheat and barley growth across the wheat belt. Wheat advances into heading over southeastern Queensland.



USSR...Cool, wet weather (25-50 mm) continued in the Baltic States, Belorussia, and the western Ukraine. These unfavorable weather conditions slowed corn maturation, and created sugar beet harvest and winter grain planting delays. In contrast, warm, dry weather in the eastern Ukraine, North Caucasus, and lower Volga Valley aided the corn and sunflower harvests. However, showers are needed in these areas to increase topsoil moisture for winter wheat planting. The optimum time for winter wheat planting across the south is September 10-20. Elsewhere, showers (10-25 mm) continued to hamper late harvest efforts in the Volga Vyatsk and the Northern Urals.

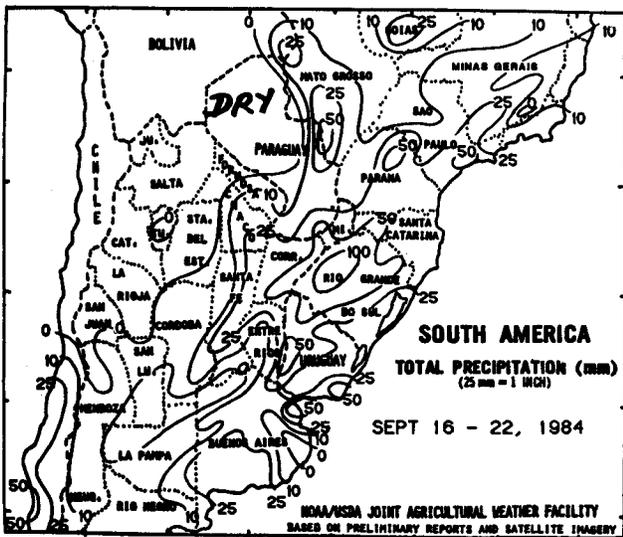
In the New Lands, wet weather (25 to 50 mm) covered the western half of the region, while lighter rain (10-25 mm) fell in eastern spring wheat areas. The showers in the west were continuous, while those in the east fell late in the week. In addition, above normal temperatures were replaced by cooler than normal weather by week's end. Nightly frosts occurred at various locations, but were normal for this time of year. Spring wheat harvest delays continued in areas surrounding the northern Ural mountains. Thus far, weather conditions have been mostly favorable for harvesting in the east. Reports indicate that as of September 17, the total USSR grain is harvested on about 90 percent of the fields.



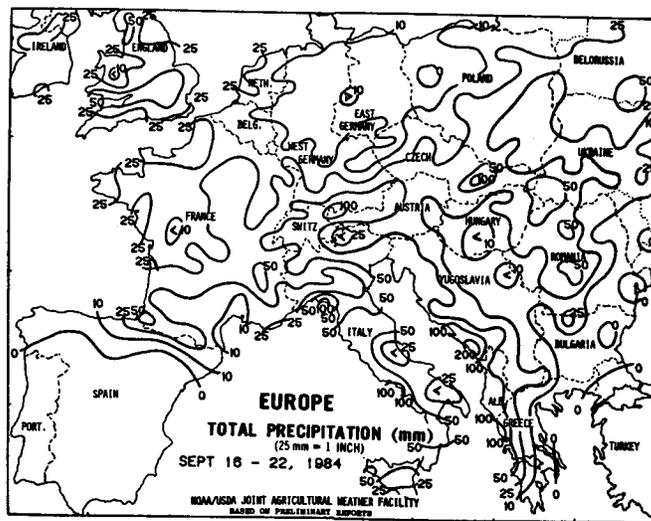
CANADA... Warm, dry weather early in the week across the Prairie grain belt contrasted sharply with cold, wet weather late in the week. Subfreezing temperatures and snow covered the Prairie Provinces by the weekend. Weekly precipitation generally averaged 25-64 mm except in both the southern and northern extremities of the area where it rained less. The precipitation was beneficial over the southern two-thirds of the grain belt where harvesting is mostly finished and soil moisture is extremely low. Wetness and cold weather was unfavorable for unharvested crops in northern portions of Alberta and Saskatchewan. In Alberta, while over 90 percent of all crops were swathed, only about 60 percent were combined. Crop quality will be adversely affected. In Saskatchewan, only a small portion of the crops is left to be harvested.



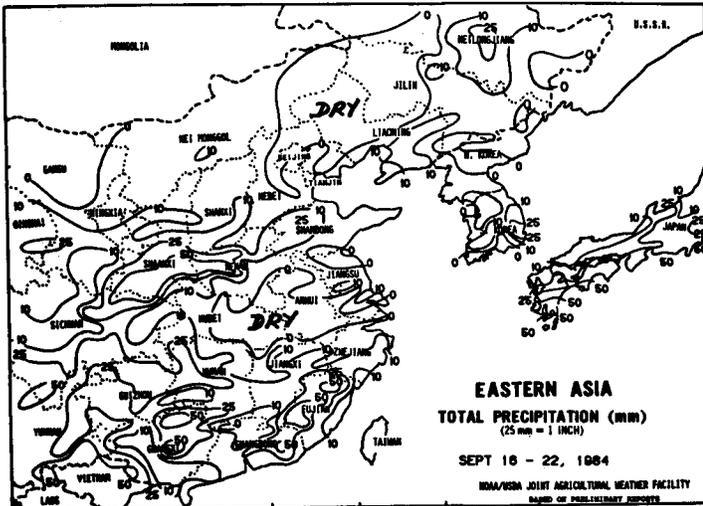
MEXICO... Tropical activity continued to dominate the upper northeast and the southern half of the Nation. Torrential downpours totalling over 350 mm flooded part of Matamoros, while heavy rain spread further inland over fall vegetable and grain districts. And on the Pacific side, Hurricane "Odile" came ashore around Acapulco with heavy rains and high winds. Some of the rains spread into the southern and western parts of the southern Plateau corn belt. The moisture will benefit late corn and beans. Dryness persisted over northern fringes of the corn belt, extending through most of the north central region where pastures and livestock have been stressed since the spring. Heavy rains scattered across Central America where tropical activity was at its peak.



SOUTH AMERICA... Showers and thunderstorms covered most crop areas of Brazil and Argentina. The only areas to miss significant rain (less than 10 mm) were western Sao Paulo in Brazil, Cordoba, extreme northern Buenos Aires, and most of La Pampa in Argentina. Moisture supplies are adequate for wheat growth in Argentina, where land preparation is also underway for summer crop planting. In Brazil, locally heavy rain (98-127 mm) fell over Rio Grande do Sul where wheat is in the grain filling period. Rain in Parana slowed winter wheat ripening and harvesting but the moisture in soybean areas of southern Mato Grosso do Sul and Minas Gerais improved soil conditions for planting to begin next month. Persistent dryness is unfavorable for cotton planting in Sao Paulo.

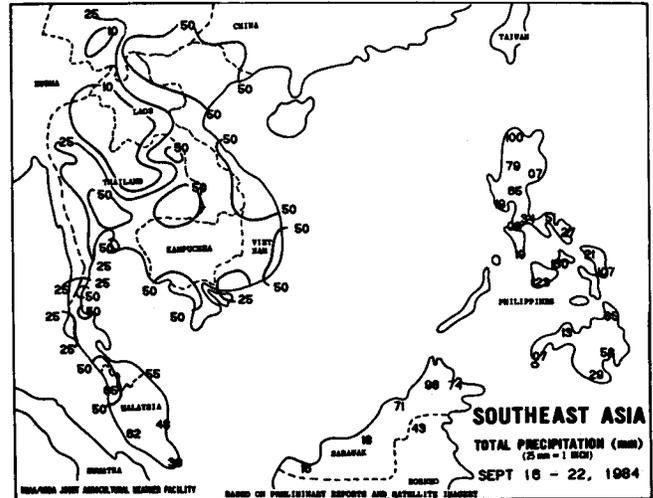


EUROPE... Wet weather (25-50 mm) covered much of the region but areas across the north and in Spain were generally dry. Cool, wet weather in southwestern France slowed corn maturation and reports indicate the corn harvest will probably not begin before early October. The rainfall over England was mostly beneficial, increasing moisture supplies for winter grain planting. Generally dry weather covered northern Europe, allowing final harvest efforts and winter grain planting to progress with few delays. The rainfall in southern Italy and Greece was highly unusual for these countries in their normal dry season. In southeastern Europe, wet weather delayed harvesting but increased soil moisture for winter grain planting.

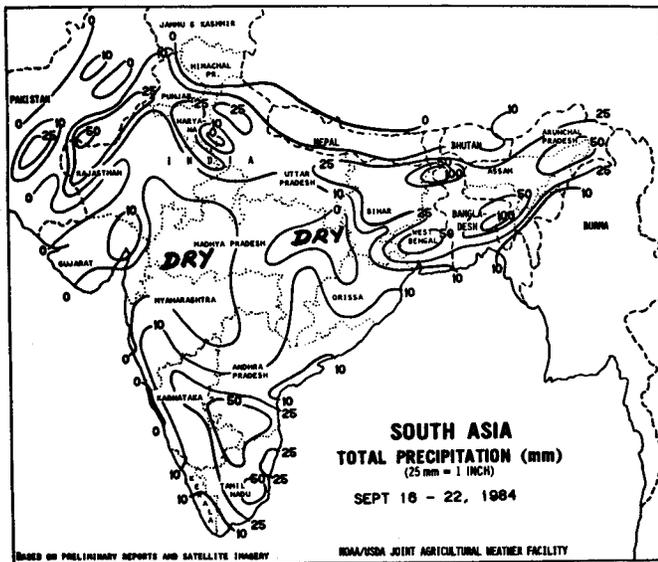


EASTERN ASIA...Early in the week, light to moderate rain (10-40 mm) in Shandong and Henan slowed cotton, corn, and soybean harvesting. Beneficially dry weather covered the North China Plain during the remainder of the week, allowing summer crop harvesting and winter wheat planting to continue. Moisture conditions for winter wheat are favorable in most of the region. Light showers in Manchuria slowed corn and soybean harvesting. Mostly dry weather in the lower Yangtze Valley was beneficial for intermediate rice and cotton harvesting, following moderate to heavy rain last week. Variable precipitation in the south benefited intermediate rice in the filling stage. Drier weather in Korea during the last 2 weeks favored maturing rice. Moisture conditions are favorable in Korea for planting winter grains in October.

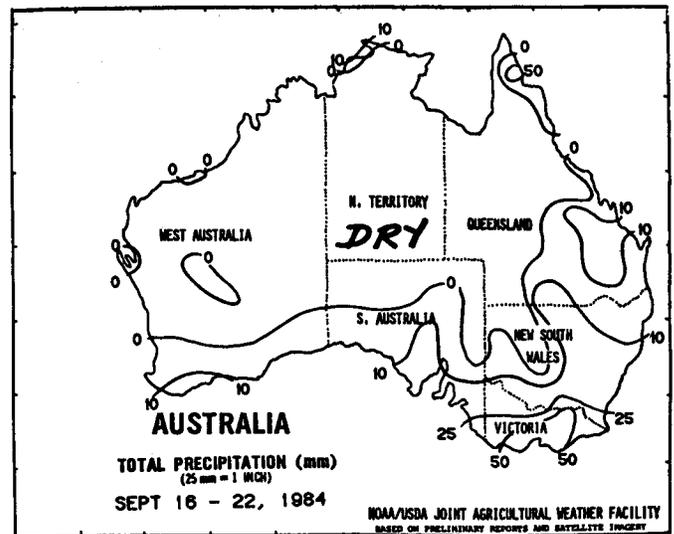
November. Cotton and groundnuts in Gujarat and western Madhya Pradesh should have adequate moisture. Dry weather returned to Maharashtra after moderate rain last week broke a prolonged dry spell. Rain increased in Karnataka, Tamil Nadu, and southern Andhra Pradesh, benefiting cotton and groundnuts in the flowering and late pod formation stages, respectively.



SOUTHEAST ASIA...Moderate precipitation (25-75 mm) fell in much of Indochina this week. The moisture benefited rice in Laos, Vietnam, and Kampuchea. Drier weather occurred in northern Thailand, but moisture is adequate for late filling and maturing rice. Moderate rain in the major south-central rice region favored the crop in the filling stage. Light to moderate rain in the central region slowed late corn harvesting. Moderate to heavy rain fell over most of the Philippines, favoring lowland rice in the vegetative stage.



SOUTH ASIA...Monsoon activity continued to decrease in most of India this week. However, variable rain across the north benefited wheat preplanting conditions around Punjab, Haryana, and northwestern Uttar Pradesh. Moderate rain in Bihar and West Bengal favored winter rice in the heading stage. Moderate rain in central Pakistan was unfavorable for cotton in the open boll stage. Mostly dry weather covered central India. Monsoon precipitation weakened there, earlier than is normally expected. Moisture in most of the winter rice area is adequate; but additional rain will be needed during the next few weeks to carry the crop through the filling stage in October and early



AUSTRALIA...Showers fell over the wheat in eastern and southern areas during the week, while dry weather covered most of Western Australia's wheat. Weekly rain averaged 8-15 mm. Rainfall was light in northern New South Wales and southernmost Western Australia. Daily mean temperatures averaged about 11^o-13^oC across the wheat belt, promoting vigorous vegetative growth aided by adequate moisture. The wheat generally ranges from jointing to booting across much of the wheat belt, but has advanced into heading over southeastern Queensland and northern New South Wales. Weather conditions during the next 4-6 weeks will play a key role in potential yield prospects for wheat and barley.



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WEEKLY NEWS BULLETIN
SECOND CLASS

(continued from page 20)

with farmers. Corn was 93% in dent stage, 87% last year and average. Corn was 44% mature, compared to 74% last year and 64% average. Corn for grain was 5% harvested slightly ahead of last year and the average. Silo filling was 35% complete, 37% last year, 30% average. Soybean leaves were 40% shedded, 49% last year and 45% average. Combining had just begun in the south. Winter wheat was being sown and some fields were sprouting.

WYOMING: Temperatures above normal.
Precipitation below normal.

Topsoil moisture adequate 53% State. Days suitable for fieldwork: 6.0. Barley, oats 90% harvested, same as last year. Spring wheat harvest winding down. Last year 95% harvested. Corn: 15% dough, 45% dented, 20% mature, 20% harvested. Last year 2% harvested. Corn silage 65% harvested. Potatoes 55% harvested. Dry beans: 60% windrowed, 60% combined. Normally 43% combined. Sugarbeets: 5% dug; average sugar content, 17.0%. Alfalfa, second cutting 90% complete, third cutting 60% complete. Winter wheat seeded 80%, emerged 50%, mostly good condition. Winter grazing prospects mostly good. Expected number livestock wintered compared with 1983: Cattle, 100%; sheep, 95%. Average calf, lamb weights unchanged from last year.

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