

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

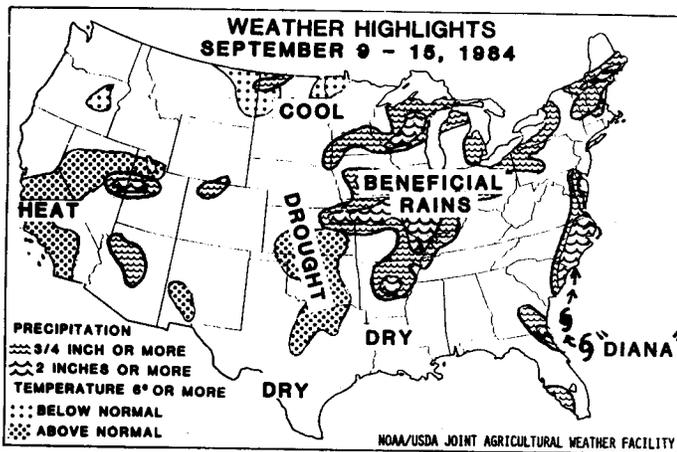
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WASHINGTON, D.C.

Sept. 18, 1984

National Weather Summary

September 9 to 15, 1984



cloudiness helped break the persistent heat wave over central California. A rain system developed over the central Great Basin and Rockies, while showers dotted the Northeast.

WEDNESDAY...Diana, with 115 mph winds, stalled just south of Wilmington and doused the city with 4 more inches of rain. The rain system in the central Rockies spread showers northeastward into the Great Lakes. Abnormally hot weather persisted over the central Plains, while cool air settled over the Northeast.

THURSDAY...Diana moved inland at Cape Fear, N C., pounding the North Carolina coast with hurricane force winds. The storm weakened rapidly as it moved inland. Heavy showers continued over eastern North Carolina. Showers were widespread ahead of a cold front from southern New England to central Missouri, and the central and northern Plains.

FRIDAY...Diana continued to weaken and began to move northeastward, back toward the Atlantic Ocean. Showers were widespread throughout the northeastern quarter of the Nation, and from the central Rockies into Canada. Much cooler air covered the northern States, and freezing temperatures settled over western Montana.

SATURDAY...Diana moved into the Atlantic and rapidly northeastward. Light showers fell in the East Coast States, along the gulf coast, and from Texas to the central Rockies and the Southwest. Much cooler air covered nearly all of the Nation; some frost was reported in the western Great Lakes region.

HIGHLIGHTS: Hurricane Diana moved slowly along the Southeast coast during most of the week, and finally moved inland near Wilmington, N C. The storm spread moderate to heavy rain along the coast, and pounded the coastline with hurricane-force winds. Beneficial rains fell in Iowa, the Great Lakes region, and from eastern Kansas through the eastern Corn Belt. Little rain fell in the central and southern Plains, and across much of the South. Temperatures were unusually warm in the central and southern Plains and the Southwest.

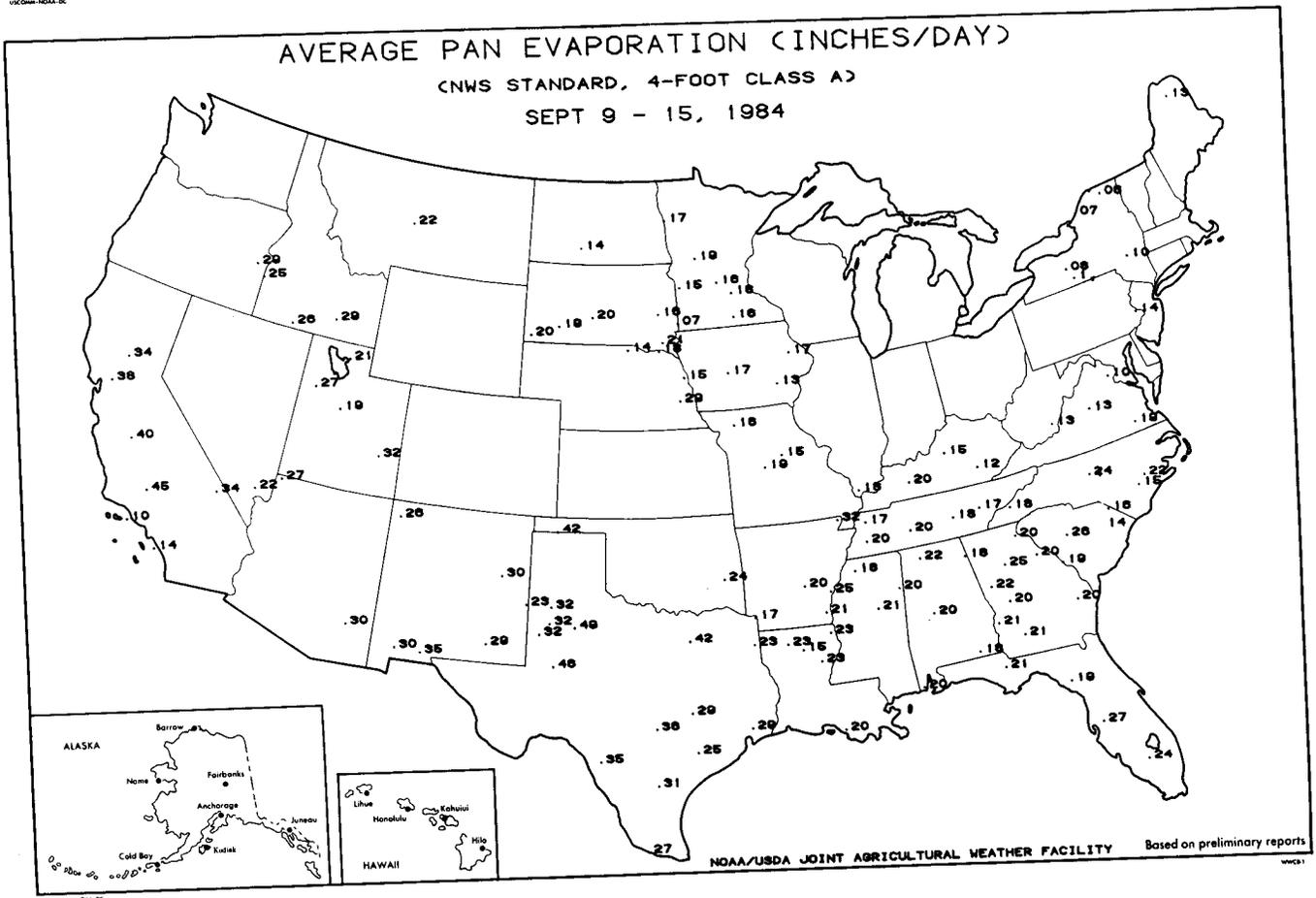
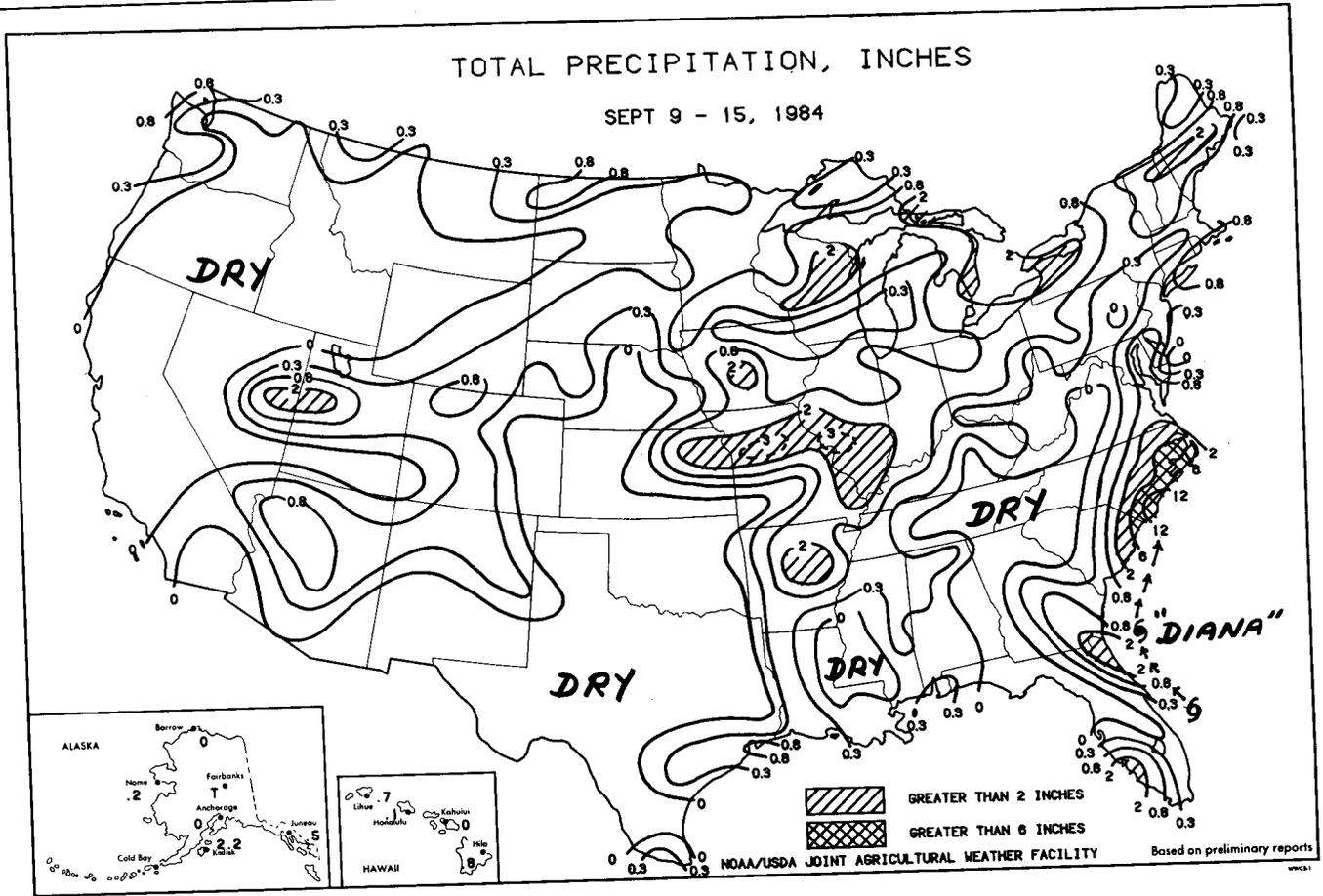
SUNDAY...Tropical Storm Diana strengthened and drifted northward off the northeastern Florida coast, producing showers and gusty winds from central Florida to the Carolinas. On the Pacific side of the Nation, Hurricane Marie was weakening off San Diego, California, but triggered a few showers over southern California. A frontal system caused widespread rains over the Mississippi Valley and Great Lakes region, while the Northeast was pleasant and tranquil.

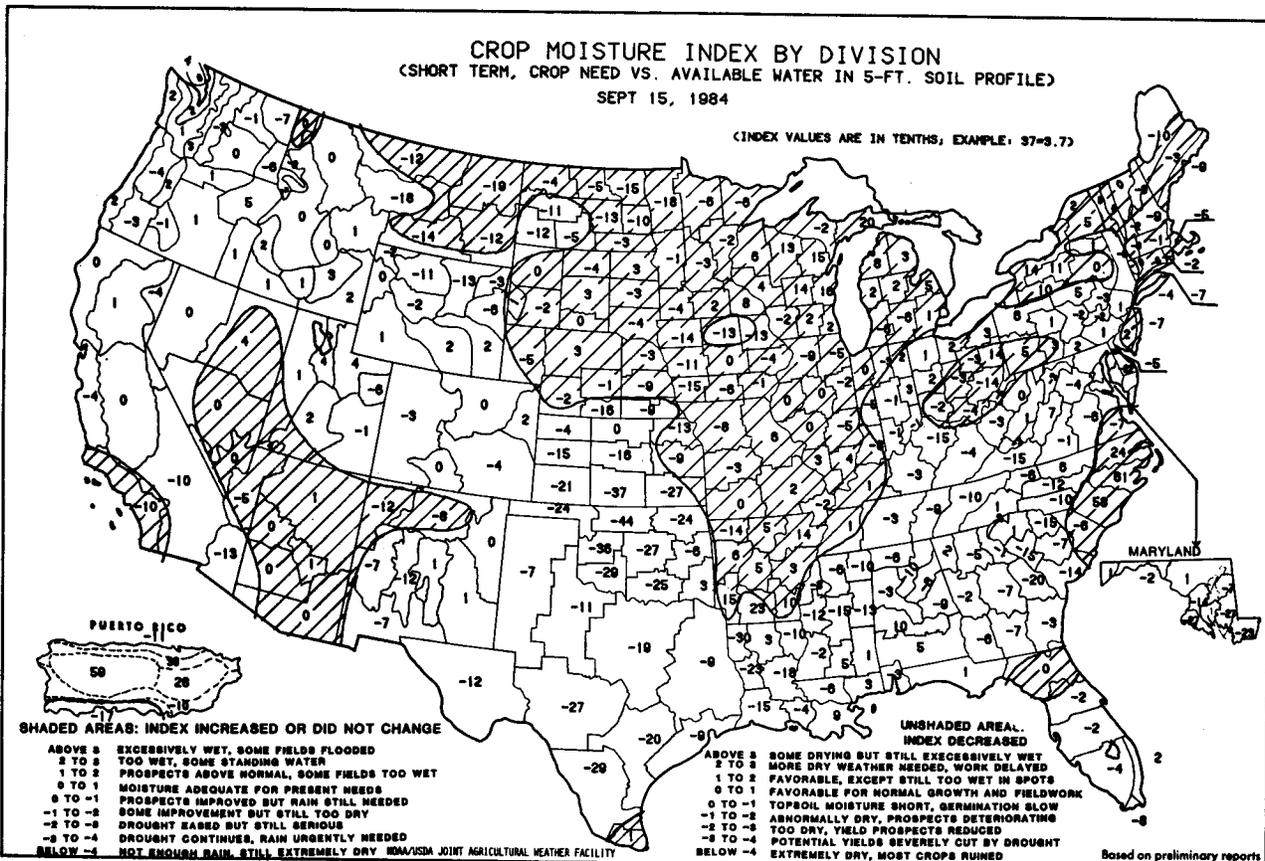
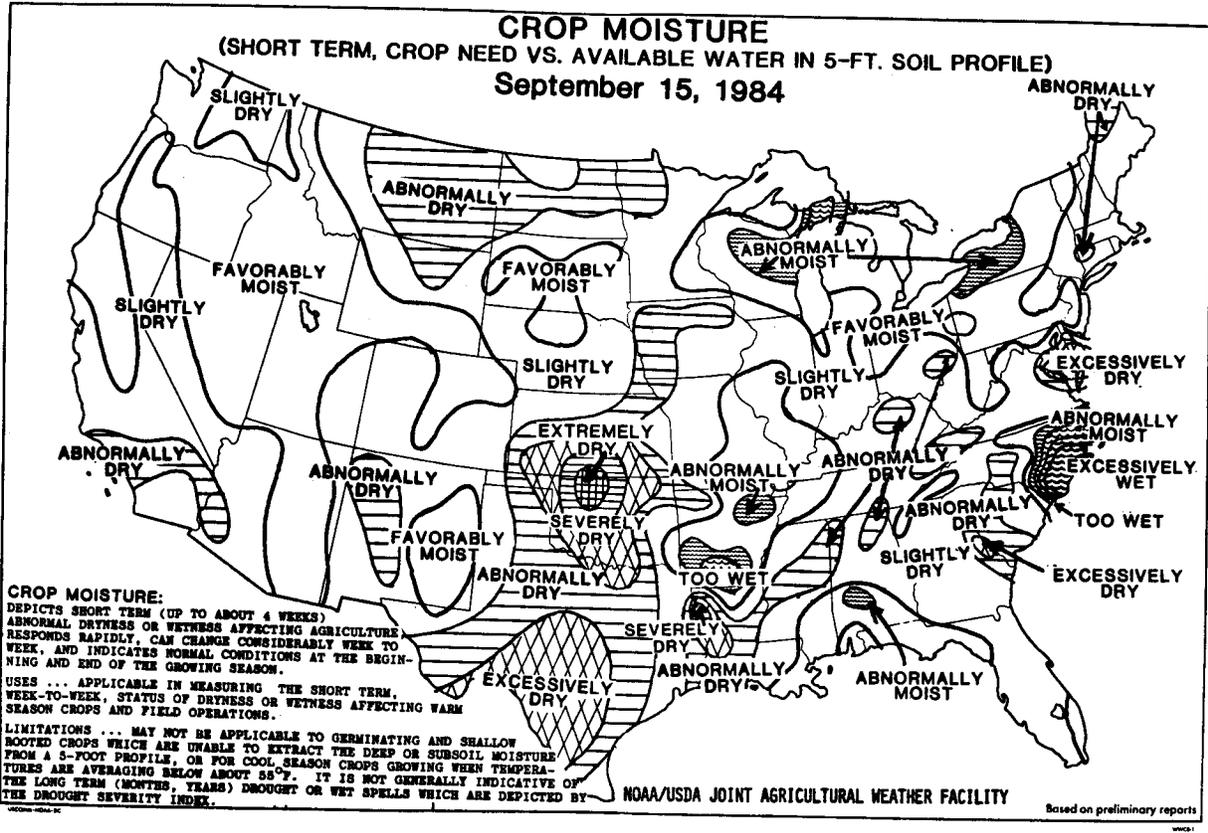
MONDAY...Diana became a hurricane as it tracked up the Georgia coast. Marie weakened to tropical storm strength but generated rains inland over Arizona and southern California, diminishing the prolonged heat wave along the coast. Beneficial rain continued in the North Central States; much of southern Illinois recorded heavy amounts of 1-2 inches.

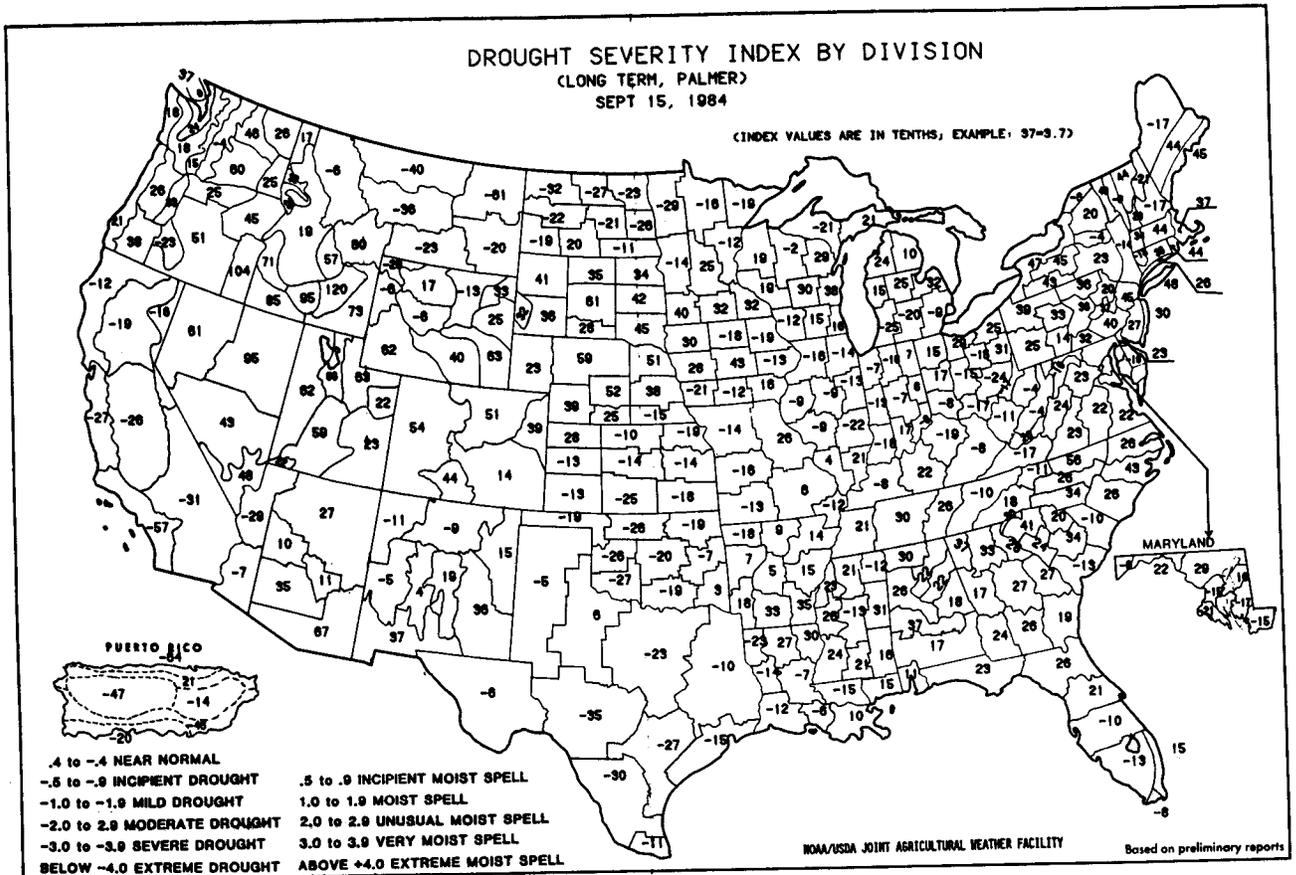
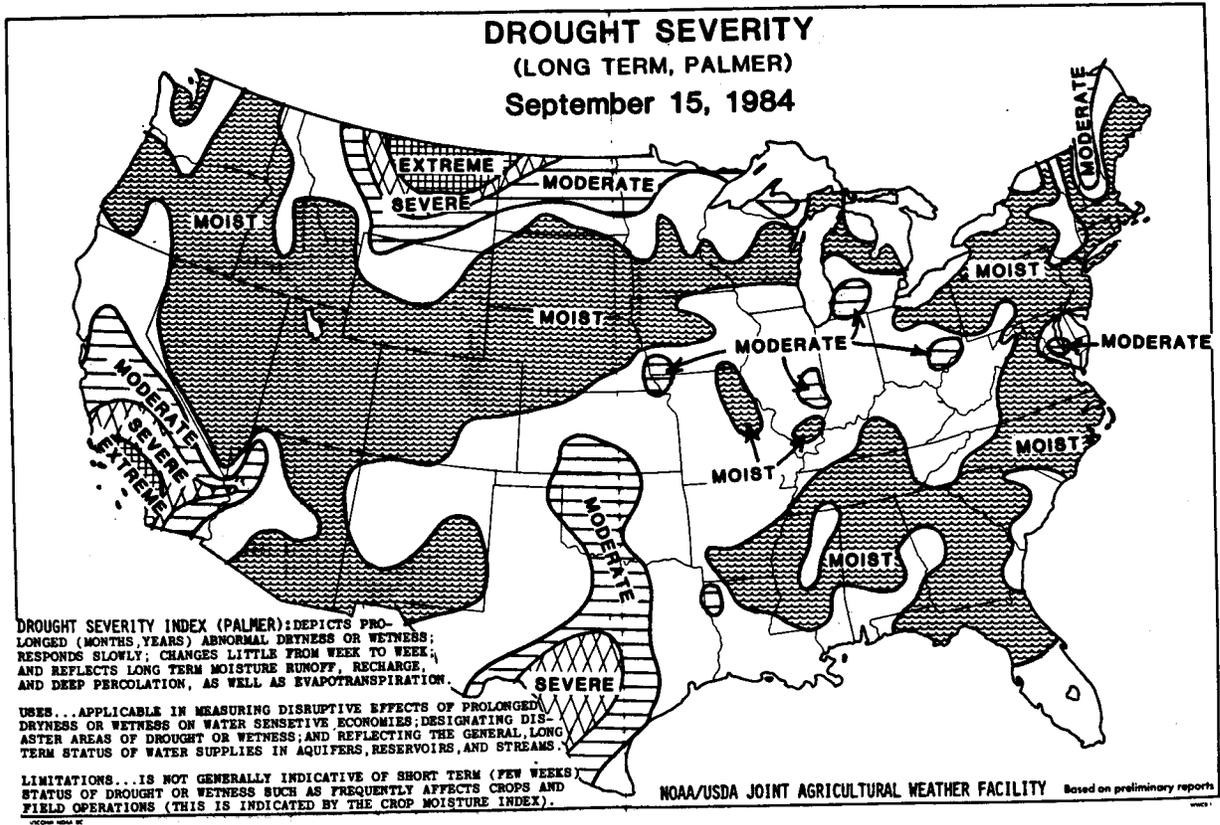
TUESDAY...Diana intensified with winds up to 135 mph, and continued moving northward just off the South Carolina coast. Wilmington, North Carolina, had torrential downpours of over 6.5 inches. Marie weakened further, and rains decreased. However, its

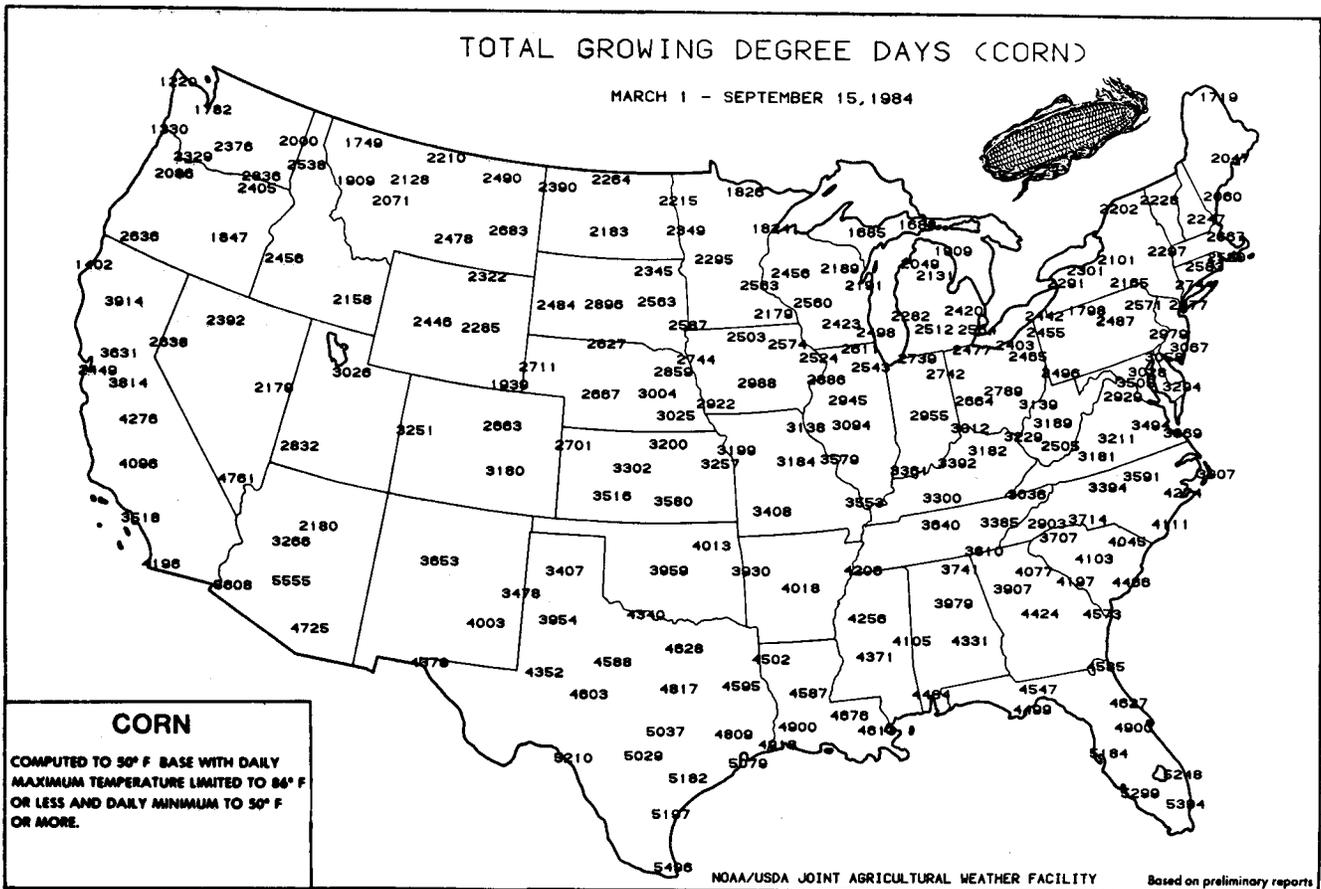
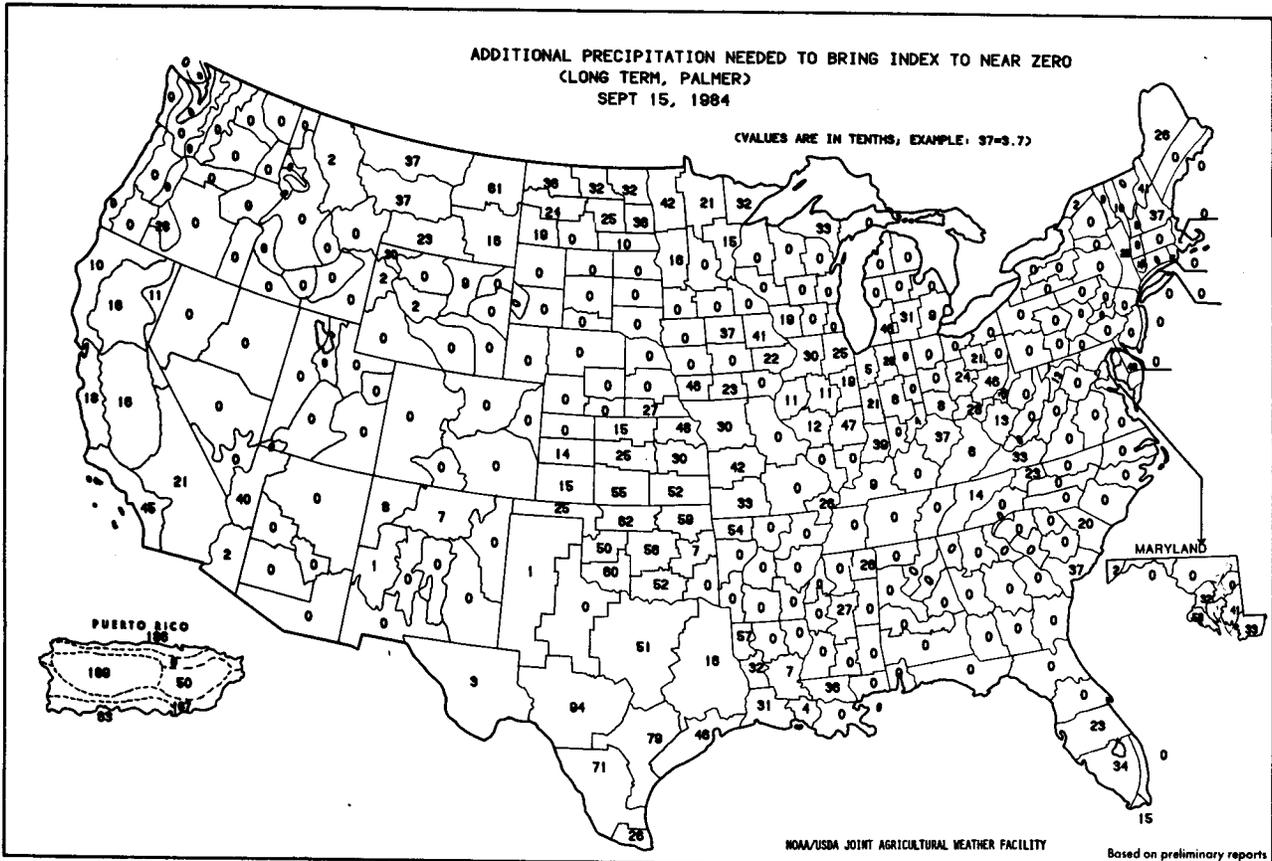
Contents

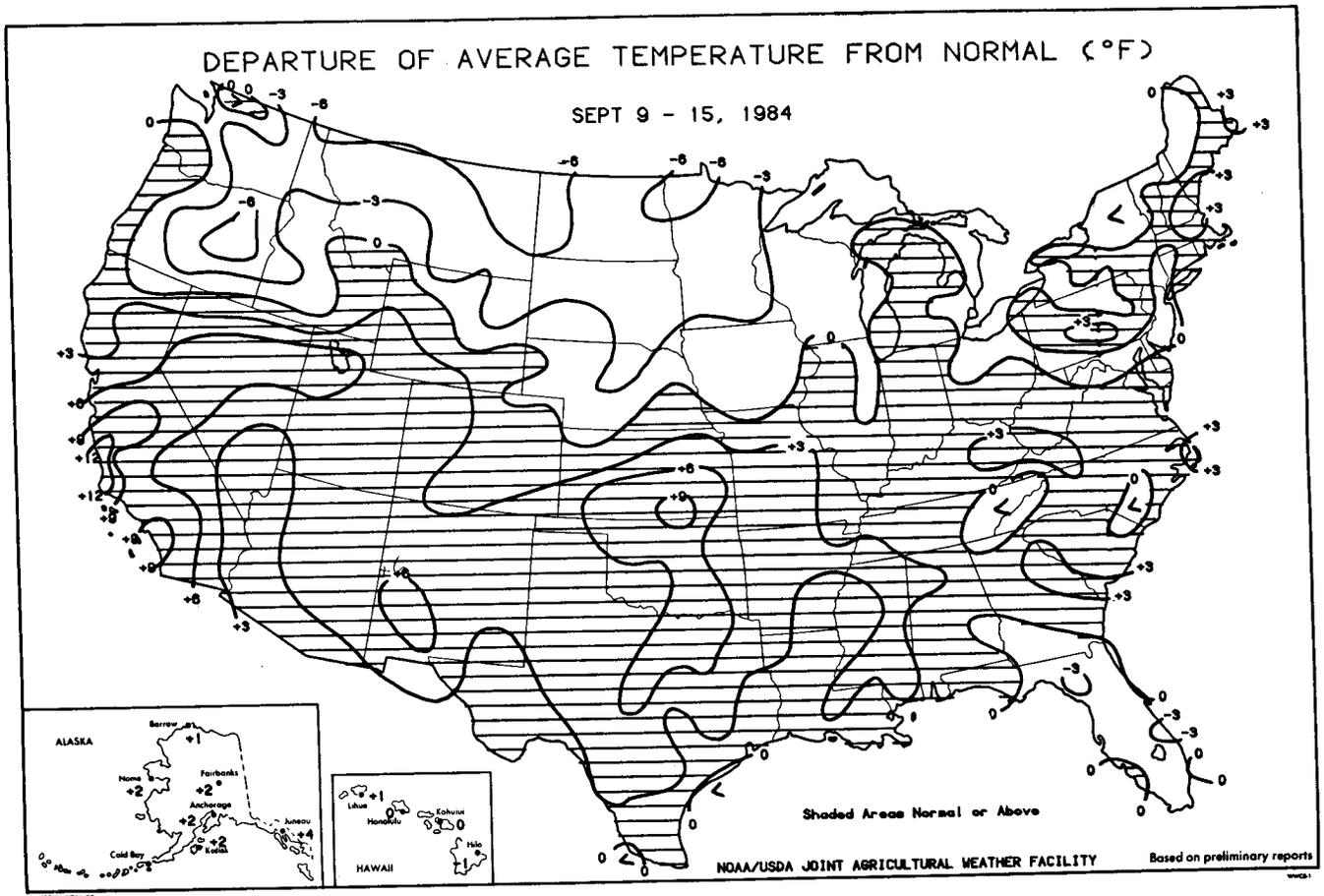
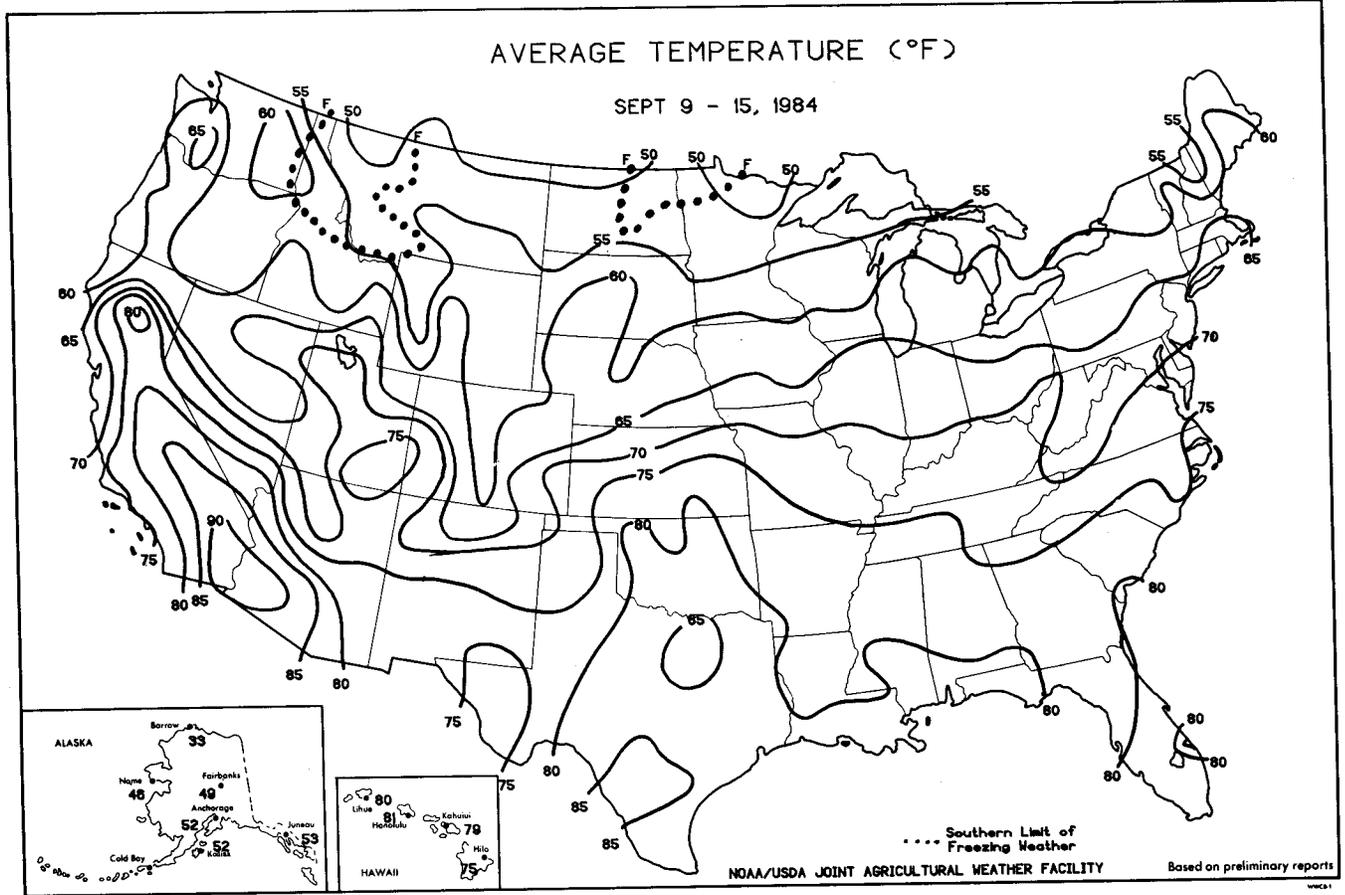
	Page
National Weather Summary	1
Precipitation & Pan Evaporation	2
Crop Moisture & Crop Moisture Index	3
Drought Severity & Drought Severity Index	4
Precipitation Needed to End Drought	5
& Growing Degree Days	5
Average Temperature & Departure	6
Weather Data for Selected Cities	7
Cooling Degree Days Table	10
Tropical Weather Satellite Photo	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
& Crop Production Highlights	24











Weather Data for the Week Ending SEPTEMBER 15, 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	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMPERATURE °F		PRECIPITATION	
																		.01 INCH OR MORE	.50 INCH OR MORE		
AL BIRMINGHAM	89	66	96	62	78	2	T	-1.0	T	.1	3	33.9	82	87	41	4	0	1	0		
MOBILE	90	69	93	66	80	1	1	-1.3	.3	.7	20	43.8	87	90	51	5	0	3	0		
MONTGOMERY	91	66	94	59	78	1	1	-1.2	0	.8	33	40.5	110	94	49	4	0	0	0		
AK ANCHORAGE	60	43	64	40	52	2	2	-6	T	T	0	9.7	96	82	52	0	0	0	0		
BARROW	36	30	41	29	33	1	1	-1.1	T	T	17	3.3	97	98	83	7	1	0	0		
FAIRBANKS	61	37	65	32	49	2	2	-3	T	T	15	7.8	100	86	41	0	0	0	0		
JUNEAU	60	47	65	42	53	4	4	-9	.3	1.2	39	35.9	111	97	59	0	0	1	0		
KODIAK	57	48	64	44	52	2	2	.5	1.2	3.7	108	50.1	106	97	77	0	0	2	0		
NOME	52	39	59	30	46	2	2	.2	.2	.4	33	11.2	102	92	65	0	0	4	0		
AZ PHOENIX	101	78	107	70	89	4	4	1.0	1.0	2.2	673	9.8	203	68	31	2	2	1	1		
PRESCOTT	83	58	89	52	70	4	4	1.4	1.1	1.4	166	10.9	77	86	40	0	0	1	1		
TUCSON	96	72	102	67	84	2	2	.3	T	0	6	9.2	113	62	27	7	1	2	0		
YUMA	103	80	112	74	91	3	3	0	T	0	0	4.0	232	64	26	5	0	0	0		
AR FORT SMITH	90	68	96	58	79	4	4	.4	-1	.2	113	23.4	81	91	40	7	0	3	0		
LITTLE ROCK	88	68	95	56	78	3	3	3.0	2.0	2.1	3.2	30.9	92	87	58	5	0	3	2		
CA BAKERSFIELD	96	71	103	66	83	5	5	T	0	T	0	1.3	33	62	28	7	0	0	0		
EUREKA	66	51	67	48	59	2	2	T	-2	T	.1	19	16.9	73	93	72	0	1	0		
FRESNO	99	70	105	68	84	10	10	T	0	0	0	2.1	30	54	21	7	0	0	0		
LOS ANGELES	83	72	96	68	77	7	7	0	T	T	29	2.0	23	82	55	1	0	2	0		
RED BLUFF	96	64	103	60	80	4	4	0	-1	0	0	4.8	36	57	21	6	0	0	0		
SACRAMENTO	92	60	102	55	76	4	4	0	-1	0	0	3.0	27	71	24	4	0	0	0		
SAN DIEGO	83	76	90	75	79	8	8	0	-1	0	0	1.5	23	84	66	1	0	0	0		
SAN FRANCISCO	80	57	91	53	69	5	5	0	0	0	0	4.1	33	84	42	1	0	0	0		
CO DENVER	76	53	91	48	64	1	1	T	-3	T	.1	8	11.9	96	78	39	1	0	0		
GRAND JUNCTION	86	59	91	53	73	5	5	.2	0	.2	.2	47	7.9	142	59	25	1	2	0		
PUEBLO	83	54	93	49	68	1	1	T	-2	T	0	14.0	156	75	30	3	0	0	0		
CT BRIDGEPORT	76	61	81	53	68	1	1	.5	-3	.5	1.6	99	35.1	120	85	59	0	1	1		
HARTFORD	76	52	85	42	64	0	0	.2	-7	.1	1.2	56	35.0	113	89	50	0	3	0		
DC WASHINGTON	79	65	85	56	72	0	0	.6	-1	.6	1.4	84	28.9	101	93	60	0	3	1		
FL APALACHICOLA	89	70	90	68	80	0	0	0	-1.9	0	1.2	29	51.6	125	96	61	3	0	0		
DAYTONA BEACH	88	72	91	70	80	0	0	2.7	1.1	2.5	5.8	168	36.9	102	89	57	5	2	1		
JACKSONVILLE	86	70	92	69	78	-1	-1	3.1	1.3	3.1	3.9	100	35.6	85	97	58	3	2	1		
KEY WEST	86	76	88	70	81	-2	-2	.4	-1.2	.2	1.3	39	30.8	115	80	62	0	3	0		
MIAMI	89	73	90	69	81	-1	-1	.1	-1.8	.1	2.2	54	44.8	106	88	49	3	1	0		
ORLANDO	90	72	93	70	81	-1	-1	.1	-1.3	.1	2.3	77	37.6	97	96	54	5	0	0		
TALLAHASSEE	92	66	95	64	79	0	0	0	-1.6	0	2.5	71	51.2	101	98	48	6	0	0		
TAMPA	89	73	92	72	81	-1	-1	0	-1.6	0	1.6	47	28.7	76	90	51	5	0	0		
WEST PALM BEACH	89	73	91	68	81	-1	-1	.1	-2.1	.1	1.6	37	46.5	111	92	60	1	1	0		
GA ATLANTA	87	66	90	59	76	2	2	0	-8	T	0	48.1	130	84	45	2	0	0	0		
AUGUSTA	91	66	98	60	78	3	3	.2	-6	.2	2	41.1	120	83	41	5	0	1	0		
MACON	91	66	95	62	78	1	1	.2	-6	.2	12	39.7	114	97	49	5	1	1	0		
SAVANNAH	89	71	94	69	80	3	3	.6	-7	.3	2.6	90	41.3	102	91	55	4	0	0		
HI HILO	83	68	84	66	75	-1	-1	.8	-7	.6	1.8	53	64.6	74	84	61	0	3	1		
HONOLULU	89	73	92	70	81	0	0	.1	0	.1	.1	48	5.2	36	84	48	3	0	0		
KAHULUI	90	69	93	64	79	0	0	0	-1	0	0	6.8	49	77	51	3	0	0	0		
LIHUE	85	74	87	71	80	1	1	.7	.2	.4	.7	69	11.2	41	79	58	0	3	0		
ID BOISE	77	45	84	39	61	-3	-3	T	-1	T	.2	69	8.9	111	68	19	0	0	0		
LEWISTON	75	48	81	41	62	-3	-3	0	-1	0	T	3	8.0	90	66	27	0	0	0		
POCATELLO	79	45	84	34	62	2	2	T	-1	T	.2	77	10.5	137	67	21	0	0	0		
IL CHICAGO	74	56	86	41	65	0	0	1.1	.3	.6	1.6	90	22.7	89	90	56	0	4	1		
MOLINE	75	58	90	41	66	1	1	.7	-3	.3	1.1	55	25.1	87	89	54	1	0	0		
PEORIA	77	60	91	43	69	2	2	.5	-4	.3	1.3	71	26.8	100	91	57	1	2	0		
QUINCY	77	60	92	44	69	1	1	2.3	1.3	1.8	2.6	121	27.7	97	93	61	1	3	1		
ROCKFORD	75	57	89	41	66	2	2	.5	-5	.3	.7	37	20.4	73	93	56	0	2	0		
SPRINGFIELD	79	61	91	46	70	1	1	1.3	.6	1.1	3.0	192	27.8	107	96	61	1	3	1		
IN EVANSVILLE	81	62	94	51	72	1	1	1.0	.4	.8	2.0	146	28.6	92	85	53	1	3	1		
FORT WAYNE	75	58	86	46	67	1	1	.8	.2	.8	2.5	192	21.7	84	96	60	0	3	1		
INDIANAPOLIS	78	60	90	47	69	1	1	1.0	.4	.5	2.0	141	27.1	92	99	61	1	4	0		
SOUTH BEND	74	57	82	47	66	1	1	.5	-3	.2	1.2	74	20.6	74	87	58	0	5	0		
IA DES MOINES	74	55	94	39	65	-2	-2	2.1	1.4	1.7	2.6	156	31.8	128	98	61	1	3	1		
SIoux CITY	73	52	89	39	63	-3	-3	.5	-1	.3	.6	45	26.1	125	94	50	0	5	0		
WATERLOO	72	50	93	35	61	-1	-1	.1	-8	.1	.4	24	24.4	93	94	51	1	2	0		
KS CONCORDIA	82	58	100	42	70	2	2	.4	-3	.3	3.2	203	23.4	105	93	47	3	2	0		
DODGE CITY	91	65	104	51	78	8	8	T	-4	T	.2	21	13.4	77	79	29	5	1	0		
GOODLAND	76	54	92	48	65	-1	-1	T	-4	T	.1	18	16.9	123	81	44	2	0	0		
TOPEKA	86	61	100	44	74	4	4	2.1	1.3	1.6	3.7	207	30.4	117	95	46	4	3	2		
WICHITA	93	67	105	51	80	9	9	T	-8	T	.2	13	17.9	81	80	29	5	1	0		
KY BOWLING GREEN	83	62	91	50	73	1	1	.7	-1	.5	1.5	92	40.8	112	98	55	1	2	0		
LEXINGTON	85	61	93	49	73	3	3	.1	-7	.1	.3	19	27.3	78	96	44	2	2	0		
LOUISVILLE	83	63	91	52	73	2	2	.6	-2	.4	1.2	70	32.7	101	95	54	1	2	0		
LA ALEXANDRIA	89	69	92	65	79	1	1	.1	-6	.1	.1	8	43.5	109	92	54	5	1	0		
BATON ROUGE	91	71	93	68	81	2	2	.1	-1.1	.1	.9	38	28.8	68	90	50	5	1	0		
LAKE CHARLES	90	70	93	68	80	1	1	.6	-7	.6	1.7	61	37.7	98	99	55	4	1	0		
NEW ORLEANS	89	71	91	67	80	0	0	T	-1.5	T	2.4	74	42.4	94	91	52	3	1	0		

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

+100 = NORMAL & ACTUAL NEAR THE SAME

(continued from p. 20)
 harvest of spring wheat and barley are also nearing completion in most areas of the State. Third cutting of alfalfa continues in some areas. Bartlett pear harvest nearing completion. Early harvest Red Delicious apples continues. Hop harvest continues. Grape harvest has started in Benton County. Potato harvest continues. Harvest of carrots, onions

and sweet corn continues. Broccoli and cauliflower harvest continues on the west side. Dry bean harvest continues. Harvest of vegetable seeds continues. Pastures west side showing improvement due to recent rains but remain in short condition. Pastures and ranges east side could still use some rain. Winter wheat planted 46%, previous year 42%, average 38%.

(continued on p. 8)

Weather Data for the Week Ending SEPTEMBER 15, 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	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
SHREVEPORT	95	70	98	63	83	5	.3	-.5	.3	.8	45	27.1	85	94	38	6	0	1	0
ME CARIBOU	67	47	80	37	57	2	.1	-.8	.1	.4	21	27.4	108	90	48	0	0	1	0
PORTLAND	72	52	79	47	62	3	.6	-.2	.3	.7	40	37.5	130	91	53	0	0	4	0
MD BALTIMORE	78	59	86	51	69	-2	1.0	-.1	.9	1.3	71	29.2	95	93	57	0	0	3	0
SALISBURY	81	60	85	50	71	1	T	-.9	T	.3	12	35.6	107	100	63	0	0	0	1
MA BOSTON	76	57	85	47	66	1	.6	-.2	.5	1.2	67	40.4	133	94	56	0	0	3	0
CHATHAM	71	57	75	52	64	1	1.0	-.1	.4	1.6	80	39.3	123	11	1	0	4	0	
MI ALPENA	67	48	75	41	57	0	1.6	-.9	.4	3.5	228	23.3	110	99	61	0	0	6	0
DETROIT	73	54	80	39	63	-1	1.3	-.8	.9	1.5	130	18.0	78	87	55	0	0	5	1
FLINT	72	54	81	42	63	1	1.9	-.3	.7	2.2	170	20.6	94	95	58	0	0	4	1
GRAND RAPIDS	72	54	79	41	63	0	.2	-.5	.1	.9	57	16.8	69	97	55	0	0	4	0
HOUGHTON LAKE	69	52	76	41	60	2	-.4	-.3	.2	.7	46	19.2	95	92	53	0	0	4	0
LANSING	72	53	81	39	63	0	1.4	-.7	.5	1.8	133	18.9	87	97	59	0	0	5	0
MARQUETTE	63	44	70	35	54	-1	-.9	0	-.4	2.9	147	24.1	90	96	60	0	0	6	0
MUSKOGON	71	54	78	42	63	0	-.2	-.5	.1	.6	45	19.0	87	92	60	0	0	4	0
SAULT STE. MARIE	65	43	72	35	54	-2	2.7	1.7	2.2	3.4	166	20.9	90	99	64	0	0	4	1
MN ALEXANDRIA	63	45	68	40	54	-4	-.6	0	-.4	.6	47	21.6	109	95	51	0	0	2	0
DULUTH	61	43	65	33	52	-3	-.7	-.1	-.7	1.4	82	16.6	72	92	54	0	0	2	1
INT'L FALLS	57	40	60	32	48	-5	-.3	-.5	.2	2.0	123	15.9	84	96	63	0	1	3	0
MINNEAPOLIS	67	47	82	37	57	-4	1.2	-.6	1.2	1.8	132	27.8	130	90	52	0	0	2	1
ROCHESTER	68	45	86	36	57	-3	1.6	-.8	1.4	2.1	127	20.6	91	93	51	0	0	3	1
MS GREENWOOD	88	68	94	57	78	2	0	-.8	0	.6	35	32.1	83	95	54	3	0	0	0
JACKSON	92	69	96	68	81	3	T	-.9	T	.9	49	33.4	86	94	44	5	0	1	0
MERIDIAN	91	68	95	64	80	3	-.4	-.5	.4	.8	45	35.7	89	94	50	4	0	0	0
MO CAPE GIRARDEAU	83	64	94	51	74	1	2.4	1.5	1.2	2.7	137	23.7	72	98	63	2	2	3	2
COLUMBIA	83	62	93	44	72	3	2.0	1.2	.9	4.9	280	36.6	136	93	59	3	0	3	2
KANSAS CITY	84	61	96	44	72	3	2.0	1.0	1.2	3.0	143	27.5	101	97	51	3	0	2	1
SAINT LOUIS	82	65	93	50	73	3	3.2	2.6	2.9	7.2	534	32.6	127	96	61	2	0	4	2
SPRINGFIELD	86	65	96	47	75	5	T	-1.0	T	2.6	124	26.2	91	87	47	4	0	1	0
MT BILLINGS	68	44	76	38	56	-4	T	-.3	T	2	7.0	60	83	28	0	0	0	0	0
GLASGOW	62	42	71	39	52	-6	-.2	0	.1	.5	92	5.1	51	87	45	2	4	1	0
GREAT FALLS	67	38	77	31	52	-6	T	-.2	T	.1	12	8.9	71	85	32	0	0	0	0
HAVRE	64	38	73	30	51	-7	.1	-.1	.1	.3	71	4.7	50	93	41	1	3	0	0
HELENA	69	38	75	33	54	-5	T	-.2	T	4	6.8	73	70	22	0	0	0	0	0
KALISPELL	61	38	65	31	50	-5	.6	-.3	.4	1.1	174	10.1	87	93	44	0	2	4	0
MILES CITY	68	42	78	33	55	-6	T	-.3	T	1	3	6.8	59	88	34	0	0	1	0
MISSOULA	70	37	76	30	54	-3	T	-.2	T	-.1	21	10.1	101	87	26	0	2	0	0
NE GRAND ISLAND	76	54	95	38	65	0	T	-.6	T	1.2	14	25.4	129	83	40	1	1	0	0
LINCOLN	76	54	95	37	65	-1	T	-.7	T	1.0	63	28.7	128	92	49	1	0	0	0
NORFOLK	75	53	92	37	64	0	.5	0	.3	.6	53	26.6	132	92	43	1	0	5	0
NORTH PLATTE	73	47	93	35	60	-2	.3	-.2	.1	.3	36	17.2	102	87	42	1	0	0	0
OMAHA	74	57	91	43	66	1	.3	-.5	.2	2.3	124	27.2	111	79	59	1	1	0	0
SCOTTSBLUFF	73	52	90	44	63	0	.2	-.1	.2	.2	38	11.0	90	77	37	1	0	2	0
VALENTINE	73	48	91	35	60	-2	.1	-.3	.1	.3	37	17.7	118	84	37	1	0	0	1
NV ELY	79	45	86	42	62	4	2.4	2.2	1.9	2.4	649	10.3	152	88	37	6	0	3	0
LAS VEGAS	94	69	101	66	82	1	.5	-.4	-.4	.5	294	4.2	139	63	23	0	0	2	0
RENO	89	47	94	45	68	7	0	-.1	0	T	0	1.9	36	68	17	3	0	0	0
WINNEMUCCA	87	43	92	33	65	4	0	-.1	0	.1	47	8.4	153	44	14	1	0	0	0
NH CONCORD	75	50	85	41	63	3	.8	-.1	.5	1.0	62	32.4	130	91	45	0	0	4	1
NJ ATLANTIC CITY	80	60	89	51	70	2	.3	-.4	-.2	.5	29	32.4	107	92	55	0	0	2	0
NM ALBUQUERQUE	88	60	93	56	74	4	.2	0	.2	.3	54	6.2	104	66	25	4	0	0	0
CLOVIS	86	60	97	50	73	3	-.4	0	-.4	.2	21	12.8	172	71	27	6	0	0	0
ROSWELL	90	62	97	59	76	3	0	-.4	0	.1	87	29.8	118	98	61	0	0	4	0
NY ALBANY	73	54	83	43	64	2	-.9	-.1	.5	1.4	87	31.0	118	90	57	0	0	3	0
BINGHAMTON	71	52	79	42	61	1	.5	-.3	.3	1.7	100	29.4	114	94	65	0	0	4	2
BUFFALO	68	53	81	44	61	-2	2.4	1.6	.9	3.0	170	29.4	114	94	65	0	0	2	0
NEW YORK	76	61	83	51	69	-1	.7	-.1	.4	2.2	121	41.4	135	90	61	0	0	2	0
ROCHESTER	71	56	79	46	63	0	2.4	1.8	1.2	2.9	208	27.7	124	89	60	0	0	5	0
SYRACUSE	68	53	74	38	61	-2	1.1	-.3	.5	1.9	111	27.1	97	96	70	0	0	5	0
NC ASHEVILLE	82	53	87	47	68	0	0	-.9	0	T	0	38.9	108	100	58	0	0	0	0
CHARLOTTE	86	64	92	60	75	2	T	-.9	T	T	1	38.0	117	91	49	2	0	0	0
GREENSBORO	83	61	91	54	72	1	T	-.8	T	2	44.4	140	95	54	1	0	0	0	0
HATTERAS	83	74	86	70	79	4	2.1	.7	1.3	2.3	76	36.4	94	88	69	0	0	3	2
NEW BERN	82	71	90	67	77	2	10.3	8.9	2.9	11.8	384	53.8	133	88	75	1	0	7	5
RALEIGH	81	66	89	58	74	2	.6	-.2	.5	.7	37	39.9	126	96	65	0	0	3	0
WILMINGTON	83	70	93	64	77	1	14.7	13.3	6.9	16.3	526	52.2	126	100	75	2	0	7	4
ND BISMARCK	65	40	77	30	53	-5	.1	-.3	0	.3	40	11.9	92	84	36	0	1	3	0
FARGO	64	44	70	36	54	-5	-.4	-.1	.3	.8	81	12.2	76	90	47	0	0	2	0
GRAND FORKS	63	40	69	32	52	-6	-.1	-.4	-.1	.1	6	16.1	108	90	46	0	0	2	0
WILLISTON	60	42	68	38	51	-6	1.2	-.8	.9	1.4	189	8.7	75	90	45	0	0	5	1
OH AKRON-CANTON	74	55	84	45	65	0	.9	-.2	.6	1.3	82	25.2	93	97	60	0	0	2	0
CINCINNATI	81	61	92	49	71	3	.3	-.4	.2	1.1	71	25.4	84	90	49	1	0	2	0
CLEVELAND	74	56	86	44	65	0	1.3	-.6	.6	1.9	126	31.1	119	91	59	0	0	4	1
COLUMBUS	79	57	89	44	68	1	.9	-.2	.3	1.0	66	22.6	79	86	46	0	0	5	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

(continued from p. 7)

WEST VIRGINIA: Temperatures averaged 1 to 40 above normal. High of 92° in Pt. Pleasant and Spencer. Low of 42° in Green Bank. Precipitation averaged near normal, except northeast division below normal. Most rainfall in Pt. Pleasant 1.10 in. Several areas reported no precipitation in northeast. Soil moisture short to adequate. Days

suitable for fieldwork: 5.2. Main activities: Haying, clipping pasture and filling silos.

WISCONSIN: The week was characterized by unsettled weather. Rainfall ranged from 0.80 in. to 3.20 in.

Soil moisture surplus over much of the north and east. Soil moisture was rated at 23% dry, 50% adequate and 27% surplus. Rains slowed

Weather Data for the Week Ending SEPTEMBER 15, 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
DAYTON	76	58	89	46	67	0	1.0	.4	.4	1.8	139	23.7	90	96	53	0	0	4	0
TOLEDO	72	56	80	43	64	0	.6	.2	.2	1.5	110	22.9	96	98	63	0	0	6	0
YOUNGSTOWN	73	54	83	42	64	0	1.5	.8	1.1	1.8	109	27.8	101	95	61	0	0	5	1
OK OKLAHOMA CITY	92	68	97	56	80	6	T	T	T	.9	54	16.7	70	68	31	6	0	0	0
TULSA	91	70	96	56	80	5	T	-1.1	T	2.0	93	29.5	102	79	40	5	0	0	0
OR ASTORIA	71	51	85	44	61	2	.5	-2	.4	2.7	206	38.3	95	89	51	0	0	0	0
BURNS	67	36	80	33	52	-8	0	-1	0	0	0	7.3	151	—	—	0	0	0	0
MEDFORD	82	49	93	42	65	-1	0	-1	0	0	0	7.6	67	93	26	1	0	0	0
PENDLETON	72	50	79	42	61	-4	0	-1	0	0	0	8.7	111	62	30	0	0	0	0
FORTLAND	75	55	81	47	65	-2	1	-1	.1	.3	89	20.9	95	80	37	0	0	2	0
SALEM	77	49	87	44	63	-1	1	-3	.1	.9	140	24.2	104	91	36	0	0	0	0
PA ALLENTOWN	77	56	80	45	66	0	1.7	.8	.1	.7	32	42.9	134	95	61	0	0	2	0
ERIE	74	56	84	48	65	2	.3	.6	.7	4.5	226	27.6	101	90	57	0	0	6	2
HARRISBURG	77	59	81	52	68	0	.3	.3	.3	.3	17	34.8	124	—	—	0	0	0	0
PHILADELPHIA	79	58	84	49	69	-1	.2	.2	.2	1.3	70	36.6	121	90	55	0	0	2	2
PITTSBURGH	76	54	86	42	65	0	.2	.1	.1	.3	23	25.2	91	88	51	0	0	4	0
SCRANTON	74	57	82	44	66	2	.3	.5	.2	1.1	60	31.1	123	90	60	0	0	3	3
RI PROVIDENCE	75	56	82	49	65	1	.9	.1	.5	1.7	90	39.2	125	91	56	0	0	4	1
SC CHARLESTON	86	71	93	68	79	2	2.9	1.7	1.3	3.5	130	40.8	99	91	61	3	0	4	3
COLUMBIA	91	65	96	62	78	2	.1	-9	.1	5	40.6	105	92	47	5	0	0	0	0
FLORENCE	84	69	94	64	76	1	.5	-5	.3	.7	31	37.0	107	97	66	3	0	2	0
GREENVILLE	87	63	92	56	75	2	0	-1	0	2	11	50.1	132	85	42	3	0	0	0
SD ABERDEEN	69	44	79	35	57	-4	.5	.5	.5	.5	61	17.5	116	95	44	0	0	3	0
HURON	70	47	84	38	59	-3	.3	.3	.5	.7	71	25.2	163	96	47	0	0	0	0
RAPID CITY	72	48	80	41	60	-2	.4	.2	.2	.4	75	13.5	96	84	38	0	0	3	0
SNY DEER	72	47	88	36	60	-2	1.2	.6	1.0	1.4	93	24.2	123	93	47	5	0	0	1
TN CHATTANOOGA	85	60	90	51	72	-1	T	-1.1	T	.4	18	36.0	94	93	48	2	0	0	0
KNOXVILLE	86	56	92	46	71	-2	T	-7	T	.4	27	39.5	113	96	44	3	0	0	0
MEMPHIS	86	69	91	57	78	3	.7	-2	.6	1.6	80	38.9	101	96	61	3	0	3	1
NASHVILLE	85	65	92	54	75	1	T	-9	T	1.0	49	42.0	116	86	50	1	0	0	0
TX ABILENE	93	71	99	63	82	5	0	-7	0	.7	44	9.1	53	64	28	6	0	0	0
AMARILLO	87	60	99	50	73	3	T	-4	T	.6	64	13.6	85	71	31	5	0	0	0
AUSTIN	93	71	97	69	82	2	0	-8	0	.6	36	10.7	48	90	37	6	0	0	0
BEAUMONT	89	73	90	72	81	1	T	-1.5	T	1.8	56	34.2	91	99	60	3	0	0	0
BROWNSVILLE	92	74	93	70	83	1	T	-1.3	T	1.1	43	18.4	109	94	55	7	0	0	0
CORPUS CHRISTI	90	72	92	70	81	-1	T	-1.5	T	2.8	88	12.8	60	90	52	5	0	0	0
DEL RIO	94	73	96	72	84	3	0	-6	0	.8	64	7.0	57	75	30	7	0	0	0
EL PASO	94	65	97	60	80	0	0	-4	0	.1	11	10.8	188	55	20	6	0	0	0
FORT WORTH	95	75	99	66	85	6	0	-8	0	T	0	17.9	81	74	34	6	0	0	0
GALVESTON	85	77	89	71	81	0	.9	-6	.6	3.3	107	19.7	70	86	71	0	0	2	1
HOUSTON	93	72	95	68	82	3	.1	-1	.1	.8	33	24.1	76	83	44	7	0	1	0
LUBBOCK	90	64	99	54	77	5	0	-5	0	.1	8	9.8	70	74	31	6	0	0	0
MIDLAND	92	66	101	61	79	4	0	-5	0	T	2	9.4	92	68	26	6	0	0	0
SAN ANGELO	92	70	97	65	81	4	0	-7	0	1.0	66	8.8	67	80	32	6	0	0	0
SAN ANTONIO	94	73	96	69	84	4	T	-9	T	.8	41	13.3	64	83	35	7	0	0	0
VICTORIA	94	72	95	70	83	2	.5	-1.0	.5	1.0	31	18.4	70	97	47	7	0	1	0
WACO	95	74	99	68	85	5	0	-8	0	.1	9	14.6	66	81	37	6	0	0	0
WICHITA FALLS	95	72	101	62	83	6	T	-8	T	.1	7	10.0	50	72	28	6	0	0	0
UT Blanding	83	45	88	5	64	0	0	-2	0	.2	43	5.6	74	60	31	0	1	0	0
Cedar City	84	54	89	47	69	5	T	-2	T	0	10.2	137	65	24	0	0	0	0	0
SALT LAKE CITY	84	63	90	58	73	7	.2	0	.2	.5	102	14.3	128	73	31	1	0	2	0
VT BURLINGTON	68	53	76	42	60	1	1.9	1.2	1.1	2.1	124	27.4	113	86	56	0	0	5	2
VA NORFOLK	81	69	86	63	75	2	1.2	.1	1.1	1.2	53	38.6	114	91	66	0	0	4	1
RICHMOND	83	62	87	53	72	1	.6	-2	.5	1.2	65	38.4	120	98	59	0	0	4	1
ROANOKE	80	58	89	48	69	0	.1	-6	.1	1.2	77	36.2	126	97	58	0	0	1	1
WA COLVILLE	67	41	73	36	54	-5	T	-2	T	.3	60	17.5	154	87	47	0	0	1	1
QUILLAYUTE	66	45	75	39	56	-2	1.1	-1	.6	3.3	152	69.5	115	99	58	0	0	4	0
SEATTLE-TACOMA	70	54	86	50	62	1	T	-5	T	.4	45	21.1	95	86	40	0	0	0	0
SPOKANE	70	44	74	39	57	-4	T	-1	T	.2	58	10.8	101	83	30	0	0	1	0
YAKIMA	75	42	80	37	59	-3	0	-1	0	0	0	5.3	104	73	28	0	0	0	0
WV BECKLEY	76	56	82	46	66	2	.2	-6	.2	.6	34	30.5	95	95	54	0	0	2	0
CHARLESTON	82	58	88	50	70	1	.1	-7	0	1.8	114	28.0	87	90	50	0	0	2	0
HUNTINGTON	82	61	89	53	71	2	.3	-5	.2	.9	57	26.0	84	83	48	0	0	3	0
PARKERSBURG	81	60	91	48	71	3	.6	-1	.6	.7	44	22.1	68	88	50	1	0	1	1
WI GREEN BAY	68	50	75	42	59	0	2.1	1.3	1.5	4.0	240	25.6	120	95	59	0	0	4	1
LA CROSSE	70	50	89	37	60	-2	2.3	1.5	2.1	2.6	152	24.4	102	96	56	0	0	3	1
MADISON	73	50	87	36	61	0	.1	-6	.1	.4	24	21.1	88	91	54	0	0	2	0
MILWAUKEE	72	56	80	45	64	2	.1	-6	.1	.7	49	24.4	105	93	60	0	0	2	0
WAUSAU	65	49	72	39	57	-1	1.9	1.0	1.9	2.4	114	28.2	114	96	57	0	0	2	1
WY CASPER	72	39	83	32	56	-4	.2	0	.1	.3	91	11.0	123	90	32	0	1	2	0
CHEYENNE	66	45	83	39	56	-3	.3	0	.3	.4	73	15.4	136	98	54	0	0	4	0
LANDER	76	46	83	40	61	-2	.1	-1	.1	.2	42	11.1	109	70	26	0	0	1	0
SHERIDAN	73	42	77	36	57	-1	T	-2	T	7	10.9	93	75	27	0	0	1	0	
FR SAN JUAN	88	76	89	75	82	0	1.0	-4	.5	1.6	52	27.5	78	85	63	0	0	5	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

fieldwork except in the southwest quarter. There were 4.5 days suitable. Pasture condition was rated as 81% of normal compared to 86% last year and an average of 89%. The second cutting of hay was approaching 100% complete as is usual. Third cutting was 45% finished compared to 43% last year and a 43% average. Corn was 70% dented, compared to 71% last year and a 69% average. Corn was 28% mature, compared to 57%

last year and a 44% average. None was harvested as of yet. Soybean leaves were 60% turned yellow compared to 53% last year. Fall plowing had started, winter wheat fields were being prepared and a few fields of wheat and rye had been sown.

(continued on p. 11)

COOLING DEGREE DAY DATA WEEKLY SUMMARY
CLIMATE ANALYSIS CENTER-NMC-NWS-NOAA
ASSESSMENT AND INFORMATION SERVICES CENTER-NESDIS-NOAA

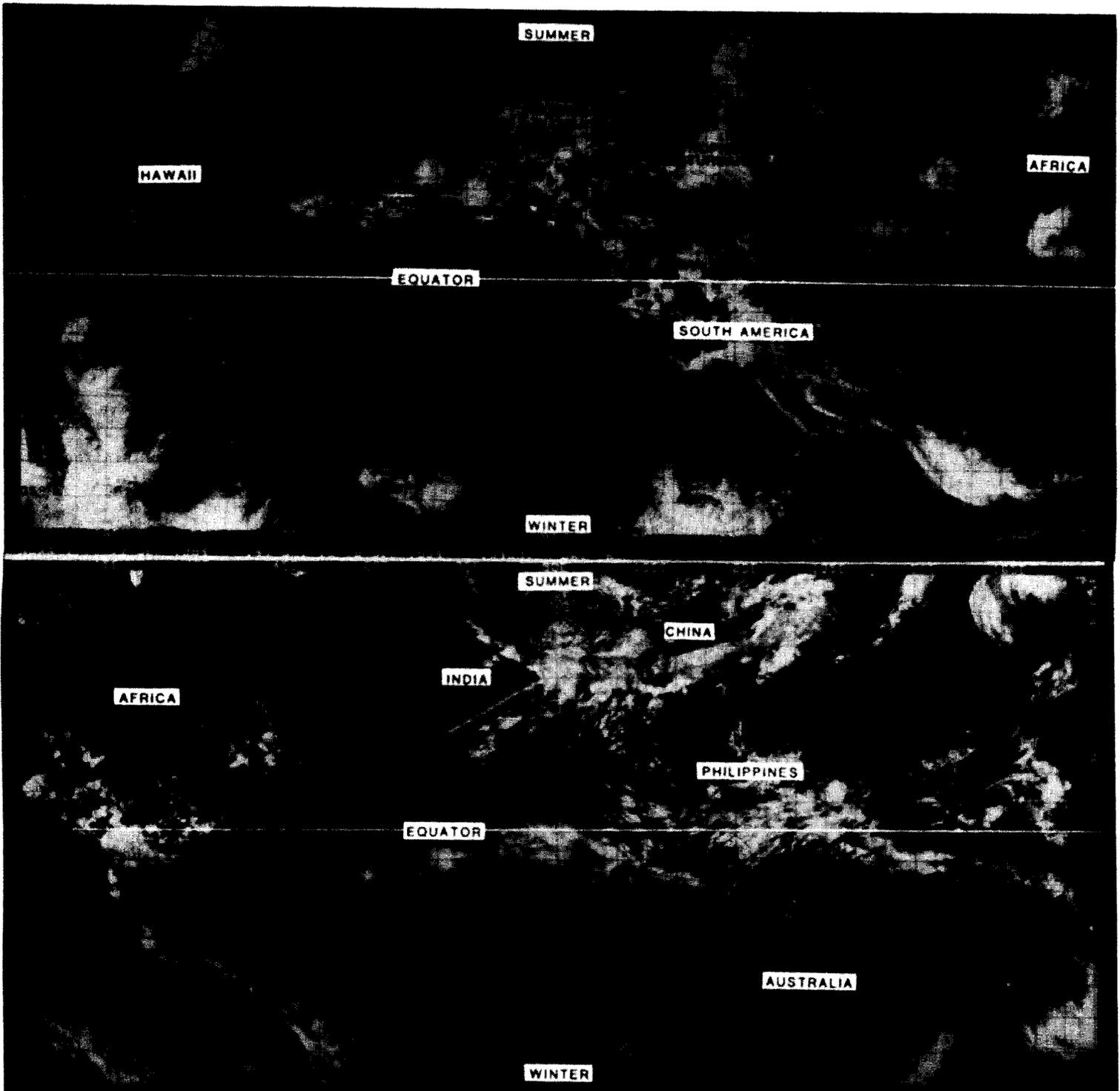
LAST DATE OF DATA COLLECTION PERIOD IS 9-15-1984

ACCUMULATIONS ARE FROM JANUARY 1

**** = NORMAL LESS THAN 100 OR RATIO INCALCULABLE

STATE CITY	CALL	WEEK TOTAL	WEEK DEV FROM	WEEK DEV FROM	CUM TOTAL	CUM DEV FROM	CUM DEV FROM	CUM DEV FROM	CUM DEV FROM	STATE CITY	CALL	WEEK TOTAL	WEEK DEV FROM	WEEK DEV FROM	CUM TOTAL	CUM DEV FROM	CUM DEV FROM	CUM DEV FROM	CUM DEV FROM
			NORM L YR	NORM L YR		NORM L YR	NORM L YR	NORM L YR	NORM L YR				NORM L YR	NORM L YR		NORM L YR	NORM L YR	NORM L YR	NORM L YR
AL BIRMINGHAM	BHM	89	18	13	1537	-183	-139	-11	-8	MT MILES CITY	MLS	0	-16	-2	931	171	-99	22	-10
AL MOBILE	MOB	104	6	20	1872	-392	32	-17	2	MT MISSOULA	MSS	0	-1	0	1137	131	-210	14	-16
AL ANCHORAGE	MGM	94	5	-2	1830	0	-4	-10	0	NE GRAND ISLAND	GRI	24	5	-2	1175	86	-320	8	-21
AK ANCHORAGE	ANC	0	0	0	6	6	0	****	****	NE LINCOLN	LNK	23	-1	-10	986	77	-274	8	-22
AK BARROW	BRW	0	0	0	0	0	0	****	****	NE NORFOLK	NFK	18	1	-9	805	42	-140	6	-15
AK FAIRBANKS	FAI	0	0	0	45	-11	-69	0	****	NE NORTH PLATTE	NPL	9	-6	-6	1056	-73	-283	-6	-21
AK JUNEAU	JNU	0	0	0	0	0	0	****	****	NE VALENTINE	VNT	9	-4	-8	804	59	-165	8	-17
AK KODIAK	KDU	0	0	0	6	6	2	****	****	NV ELY	ELY	1	-2	1	179	-13	8	-7	5
AK NOME	OME	0	0	0	2	2	1	****	****	NV LAS VEGAS	LAS	118	5	-45	2793	82	294	3	12
AZ FLAGSTAFF	FLG	2	2	2	89	-37	32	-29	56	NV RENO	RNO	25	19	2	507	2	147	0	41
AZ PHOENIX	PHX	172	28	-44	3770	574	126	18	3	NV WINNEMUCCA	WMC	13	5	-7	444	97	-53	28	-11
AZ TUCSON	TUS	132	18	-16	2561	127	112	5	6	NH CONCORD	CON	15	12	-7	1082	307	-83	40	-7
AZ WINSLOW	WIN	55	20	-9	1260	112	74	10	6	NH ATLANTIC CITY	ACY	40	22	-15	1365	152	-115	13	-8
AZ YUMA	YUM	185	22	-36	3827	294	52	8	1	NM ALBUQUERQUE	ABQ	65	30	-21	1550	-189	-175	-11	-10
AR FORT SMITH	FSM	99	30	11	1743	-56	35	-3	2	NM ROSWELL	ROW	78	21	-16	468	-19	-135	-4	-22
AR LITTLE ROCK	LMR	93	21	-3	1740	-130	-104	-7	-6	NY ALBANY	ALB	10	1	-10	431	110	-210	34	-33
CA BAKERSFIELD	BFL	130	39	-12	1985	-72	141	-4	8	NY BINGHAMTON	BGM	5	0	-20	522	53	-208	11	28
CA EUREKA	EKA	0	0	0	0	0	0	****	****	NY BUFFALO	BUF	6	-6	-16	986	-12	-208	-1	-17
CA FRESNO	FAT	136	67	7	2303	722	519	46	29	NY NEW YORK	LGA	35	1	-22	519	1	1771	0	-25
CA LOS ANGELES	LAX	86	51	5	808	278	171	52	27	NY ROCHESTER	ROC	9	-3	-16	368	-127	-202	-26	-35
CA RED BLUFF	RBL	104	27	-12	1930	215	382	13	25	NY SYRACUSE	STR	4	-8	-12	610	-189	-371	-24	-38
CA SAN DIEGO	SAN	104	62	-2	1330	687	314	107	31	NC ASHEVILLE	AVL	24	-5	-31	1505	123	39	9	3
CA SAN FRANCISCO	SFO	29	16	-15	221	159	5	****	****	NC CARY	CAR	17	8	-1	1319	-133	-229	-9	-15
CA STOCKTON	STK	103	41	-11	1993	303	281	23	21	NC CHARLOTTE	CLT	73	26	3	1083	-169	-189	-13	-15
CO DENVER	DEN	20	6	8	713	57	-1	9	0	NC GREENSBORO	GSO	52	11	-16	1210	-109	-219	-8	-10
CO GRAND JUNCTION	GJT	56	23	-15	1234	79	-62	7	-5	NC RALEIGH DURHAM	RDU	61	12	-20	1580	-145	-184	-8	-10
CO PUEBLO	PUB	33	3	-7	1097	98	60	10	6	NC WILMINGTON	ILM	84	10	-19	487	13	166	3	-25
CT BRIDGEPORT	BDP	18	5	-26	682	26	-195	4	-22	ND BISMARCK	BIS	1	-3	-2	571	97	-131	20	-19
CT HARTFORD	HRT	27	-3	-33	1015	50	-196	5	-16	ND FARGO	FAR	0	-7	-1	634	193	-206	44	-25
DE WILMINGTON	ILG	27	-3	-33	1331	-17	-294	-1	-18	ND WILLISTON	WIS	0	-4	-23	552	-45	-301	-8	-35
DC WASHINGTON	DCA	53	3	-30	1959	-344	0	-15	0	OH AKRON-CANTON	CAK	14	-4	-23	544	-42	-351	-7	-39
FL APALACHICOLA	AQQ	99	-4	0	1848	-336	-121	-15	-6	OH CLEVELAND	CLE	18	-1	-20	789	-27	-242	-3	-23
FL DAYTONA BEACH	DAB	105	0	3	1959	-344	0	-15	0	OH COLUMBUS	CMH	33	7	-13	956	-24	-283	-2	-31
FL FORT MEYER	FMY	124	5	10	2820	-33	395	-2	-1	OH CINCINNATI	CVG	52	20	0	691	-203	-314	-23	-31
FL JACKSONVILLE	JAX	94	-4	-9	1941	-180	-27	-8	-1	OH DAYTON	DAY	27	-1	-20	618	23	197	4	-24
FL KEY WEST	EWX	115	-11	-24	2853	-227	-111	-7	-4	OH TOLEDO	TOL	13	-3	-16	835	63	-276	13	-34
FL MIAMI	MIA	113	-6	-17	2853	-227	-111	-7	-4	OH YOUNGSTOWN	YNG	13	0	-18	1869	112	155	6	9
FL ORLANDO	MCO	114	-4	-8	2285	-411	-198	-15	-8	OK OKLAHOMA CITY	OKC	107	42	22	1928	58	-195	3	-9
FL TALLAHASSEE	TLH	101	1	0	1992	-150	-55	-7	-3	OK TULSA	TUL	108	36	6	10	-11	5	****	****
FL TAMPA	TPA	114	-1	-1	2562	-84	118	-3	5	OR ASTORIA	AST	6	6	6	200	-143	70	-42	54
FL WEST PALM BEACH	PBI	112	-7	-22	2599	-243	-248	-9	-9	OR MEDFORD	MFR	14	-9	-8	648	28	76	-16	17
GA ATLANTA	ATL	80	18	6	1465	-68	-124	-4	-8	OR PENDELTON	PDT	4	-18	3	587	-115	87	-16	21
GA AUGUSTA	AGS	96	22	10	1763	-7	-95	0	-5	OR PORTLAND	PDX	11	2	3	366	61	-22	-7	-12
GA MACON	MGN	97	12	-1	1953	-43	-176	-2	-8	OR SALEM	SLE	4	-1	0	169	61	-22	-7	-12
GA SAVANNAH	SAV	106	19	1	2010	-4	-107	0	-5	PA ALLENTOWN	ABE	20	-1	-23	831	103	-187	14	-18
HI HILO-HAWAII	IHO	76	-1	7	2361	166	171	8	8	PA ERIE	ERI	17	8	-12	581	205	-126	55	-18
HI HONOLULU-OAHU	HNL	111	-1	-18	3453	353	440	11	15	PA HARRISBURG	HRI	17	2	1011	49	60	5	6	
HI KAHULUI-MAUI	OGG	101	3	5	3285	587	604	22	23	PA PHILADELPHIA	PHL	32	0	-24	940	-88	-290	-9	-24
HI LIHUE-KAUAI	LIH	105	7	2	3276	646	543	25	20	PA PITTSBURGH	PIT	17	-3	-22	516	-100	-228	-16	-31
ID BOISE	BOI	4	-17	-3	768	48	139	7	22	PA SCRANTON	AVP	17	3	-14	664	116	-27	21	-4
ID LEWISTON	LWS	4	-18	2	777	57	81	8	12	RI PROVIDENCE	PVD	18	5	-41	670	108	-339	19	-34
ID POCAHELLO	PIH	1	-8	0	414	-26	24	-6	-3	SC CHARLOTTE	CHS	96	15	-10	1894	54	-85	3	-4
IL CHICAGO	ORD	26	11	-8	704	-7	-362	-1	-34	SC COLUMBIA	CAE	92	16	3	1699	-181	-162	3	-9
IL MOLINE	MLI	31	17	-5	972	72	397	8	-29	SC GREENVILLE	GSP	73	19	-2	559	-80	-80	-6	-6
IL PEORIA	PIA	43	22	-6	981	72	397	8	-29	SD ABERDEEN	ABR	3	-3	-3	727	0	-304	0	-29
IL ROCKFORD	RFD	25	16	-3	713	22	-383	3	-35	SD HURON	HUR	8	-3	-3	631	-12	-214	-2	-25
IL SPRINGFIELD	SPI	49	17	-6	1150	54	-253	5	-18	SD RAPID CITY	RAP	8	-3	-7	725	-13	-301	-2	-29
IN EVANSVILLE	EVV	54	9	-14	1281	-28	-296	-2	-19	SD SIOUX FALLS	SFD	8	-3	-7	1277	-195	-254	-13	-17
IN FORT WAYNE	FWA	26	4	-19	828	84	-407	11	-33	TN CHATTANOOGA	CHA	52	-7	-25	1007	-350	-363	-26	-26
IN INDIANAPOLIS	IND	36	8	-17	938	-1	-384	0	-29	TN KNOXVILLE	TYS	44	-9	-30	1839	-49	-149	-3	-7
IN DES MOINES	DSM	21	5	-12	826	145	-385	21	-32	TN MEMPHIS	MEM	91	20	-6	1321	-23	-389	-14	-23
IA DUBUQUE	DBQ	14	-9	-10	624	54	-317	9	-28	TN NASHVILLE	BNA	72	13	-30	2366	163	237	7	11
IA SIOUX CITY	SUX	16	-4	-9	831	-80	-331	-9	-28	TX ABILENE	ABI	120	38	13	1180	-158	-230	-12	-16
KS CONCORDIA	CKR	61	25	14	1391	116	-121	9	-8	TX AMARILLO	AMA	67	26	-7	2781	261	594	10	27
KS DODGE CITY	DDC	101	59	39	1754	354	-10	25	-1	TX AUSTIN	AUS	121	17	8	3097	62	106	2	4
KS GOODLAND	GLD	22	-2	-16	821	-86	-454	-9	-36	TX BROWNSVILLE	BRO	125	7	1	2703	-218	194	-7	8
KS TOPEKA	TOP	78	40	26	1308	3	-271	0	-17	TX CORPUS CHRISTI	CRP	117	-3	2	2886	42	99	1	4
KS WICHITA	ICT	112	61	51	1747	157	153	10	10	TX DEL RIO	DRT	132	19	2	1993	46	85	2	4
KY LEXINGTON	LEX																		

TROPICAL WEATHER
Sept. 17-18



(continued from p. 9)

WYOMING: Temperatures mostly below normal. Some precipitation most locations.

Topsoil moisture adequate 55% State. Days suitable for fieldwork: 6.0. Barley 85% harvested, same as last year. Spring wheat 95% harvested, last year 86% harvested. Oats 80% harvested, last year 78% harvested. Corn: 30% dough, 55% dented, 10% mature. Corn silage 40% harvested. Potatoes 35% harvested. Dry beans;

50% windrowed, 40% combined. Normally 20% combined. Alfalfa, second cutting 85% complete, third cutting 30% complete. Other hay harvest winding down. Winter wheat seeded 70%, emerged 30%. Grasshopper activity slowing down due to cooler temperatures. Hay supplies for wintering livestock, adequate. Quality of hay for sale: Alfalfa, fair to good; other hay, fair to good.

National Agricultural Summary

September 10-16, 1984

HIGHLIGHTS: Showers from eastern Kansas through the eastern Corn Belt were beneficial to newly seeded winter wheat. However, dry conditions continued to delay planting across most of the Great Plains. Hurricane Diana caused no significant damage to North Carolina crops. Elsewhere in the Nation, growers enjoyed good harvesting weather. Farmers had 5-7 days suitable for fieldwork, but portions of the central Corn Belt, had 3-4 days. Soil moisture supplies were short to very short in portions of the Southeast and northern Plains, and generally short to adequate elsewhere.

Winter wheat seeding reached 18% completion, 3 points behind average. Spring wheat combining was virtually complete, except in Idaho. Corn harvesting began in the Corn Belt, and continued active in the South. Four percent of the corn was harvested in the 17 major States. Soybean harvesting was confined to the Corn Belt where one percent was harvested. Sorghum harvesting moved northward into Kansas, and reached 27% in the 7 major States. Cotton harvesting reached 7% finished, equal to the normal. Rice combining was active in all States, reaching 39% completion. Northern fruit and vegetable growers harvested fall crops. Florida's citrus harvest was halted by the citrus canker quarantine. Individual groves had to be certified disease-free before picking resumed. High winds depleted soil moisture, causing further pasture and range deterioration across the southern Plains. Supplemental feeding of livestock continued.

SMALL GRAINS: Spring wheat producers in Idaho combined 12% of their acreage during the week. Combining was virtually complete in all States except Idaho where 84% was combined.

Seeding of the 1985 winter wheat was delayed by dry conditions across most of the Great Plains. In the 15 major producing States, 18% of the acreage was seeded, 3 points behind schedule. Planting was underway in all States except California. Progress ranged from 2% finished in Illinois and Ohio to 56% complete in South Dakota. Showers benefited newly seeded wheat from eastern Kansas through the eastern Corn Belt.

CORN: Corn was in fair to good condition. In the 17 major producing States, 90% reached the dent stage, 42% matured, and 4% had been harvested. This compares with 92% dented, 56% mature, and 4% harvested a year earlier. Harvesting began in all States except Colorado, Michigan, Minnesota, Nebraska, Pennsylvania, South Dakota, and Wisconsin. Progress ranged from 1% in Indiana to 76% complete in Georgia.

SOYBEANS: Showers benefited late planted soybeans across the eastern Corn Belt, while dry conditions stressed double-cropped soybeans in portions of the South. Stands were rated mostly fair to good in the major producing areas. In the 18 major producing States, 26% dropped leaves, 2 points behind normal. One percent of the crop was harvested, equaling the average. Harvesting was concentrated in the Corn Belt.

COTTON: High winds depleted soil moisture and caused some boll loss across the southern Plains.

Stands were in fair to mostly good condition except in some of the southern Plains dryland areas. In the 14 major producing States, bolls were opening on 45% of the acreage, and harvesting was 7% finished, both equaling their averages. Harvesting trailed normal in all States, except Texas where picking was on schedule. Progress ranged up to 13% finished in Texas.

SORGHUM: Sorghum was in fair to mostly good condition. Showers helped stands in eastern Kansas, but dry conditions continued in the other major producing areas. In the 7 major producing States, 76% turned color, 36% matured, and 27% was harvested. Normally, 75% turns color, 36% matures, and 27% is harvested. Combining was underway in all States except Colorado, Nebraska, and South Dakota. Progress ranged up to 64% harvested in Texas.

OTHER CROPS: Peanut digging became active in the Southeast, where stands were rated fair to mostly good. Harvesting was just beginning in Texas and Virginia, 22% complete in Alabama, 30% finished in Georgia, and 38% complete in Mississippi.

Rice harvesting was 39% complete in the 5 major producing States, 3 points behind normal. Progress ranged from 10% harvested in California, to finished in Texas.

Tobacco harvesting advanced rapidly with good weather in most areas. Kentucky growers cut 72% of their burley crop and 64% of the dark tobacco. Maryland producers cut 80% of their crop. Burley cutting was 66% finished in Virginia; flue-cured 73% complete, and fire-cured 84% finished. North Carolina producers harvested 92% of the flue-cured crop and 60% of the burley.

VEGETABLES: Potato harvesting reached 5% completion in Maine and was 7% finished in Idaho. Cooler temperatures caused scattered frosts in some northern areas, but most areas received no damage. Planting and transplanting of fall vegetables continued active in Florida. Eggplants and tomatoes sized well. Showers delayed field activities in the Texas Rio Grande Valley. Harvesting of summer crops continued on the High Plains. California growers harvested a wide variety of vegetables. Vegetable supplies were mostly moderate to light. The processing tomato harvest declined in the San Joaquin and Sacramento Valleys.

FRUITS AND NUTS: Cooler weather increased apple coloring in northern orchards. New York growers began picking early-variety wine grapes. Florida's citrus groves were put under temporary quarantine until individual orchards could be certified free of citrus canker disease. California raisin growers have 90% of the crop laid out to dry, and more than half rolled. Wine grape harvesting is in full swing. The navel orange crop showed smaller fruits than normal. Almond harvesting was in full swing.

PASTURES AND RANGES: Showers improved pastures and ranges from eastern Kansas through the eastern Corn Belt. However, dry conditions persisted across the Plains, causing continued supplemental feeding of livestock in many areas. Movement from summer grazing increased.

CROP PROGRESS
FOR WEEK ENDING SEPT 16, 1984

	CORN % DENT		
	1984	1983	AVG.
COLO	89	74	71
GA	100	100	100
ILL	98	99	96
IND	98	96	90
IOWA	91	94	87
KANS	90	75	85
KY	97	92	96
MICH	85	90	85
MINN	95	95	84
MO	96	99	90
NEBR	94	94	75
N C	97	100	100
OHIO	90	95	90
PA	54	62	70
S DAK	70	85	85
VA	92	95	95
WIS	70	71	69
17 STATES	90	92	86

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

	CORN % MATURE		
	1984	1983	AVG.
COLO	37	12	18
GA	99	100	99
ILL	52	70	66
IND	50	50	40
IOWA	44	72	46
KANS	60	40	50
KY	56	49	57
MICH	25	40	34
MINN	33	39	24
MO	56	73	56
NEBR	25	35	25
N C	86	93	92
OHIO	40	50	50
PA	5	13	16
S DAK	32	57	50
VA	76	84	85
WIS	28	57	44
17 STATES	42	56	46

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

	CORN % HARVESTED		
	1984	1983	AVG.
COLO	0	0	0
GA	76	74	78
ILL	3	6	3
IND	1	1	0
IOWA	2	6	2
KANS	10	10	10
KY	7	8	8
MICH	0	2	1
MINN	0	0	0
MO	12	22	15
NEBR	0	2	0
N C	29	31	43
OHIO	2	5	1
PA	0	0	1
S DAK	0	0	0
VA	24	30	26
WIS	0	0	0
17 STATES	4	6	4

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

	WINTER WHEAT % PLANTED		
	1984	1983	AVG.
CALIF	0	0	0
COLO	40	51	56
IDAHO	20	15	18
ILL	2	1	2
IND	3	2	3
KANS	10	5	15
MO	3	1	3
MONT	10	20	20
NEBR	50	50	45
OHIO	2	3	3
OKLA	10	10	15
OREG	3	6	9
S DAK	56	57	60
TEX	20	6	18
WASH	46	42	38
15 STATES	18	16	21

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

	SORGHUM % COLORING		
	1984	1983	AVG.
COLO	75	68	64
KANS	65	50	60
MO	86	85	78
NEBR	70	91	80
OKLA	95	80	85
S DAK	80	85	78
TEX	85	82	86
7 STATES	76	72	75

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

	SORGHUM % MATURE		
	1984	1983	AVG.
COLO	12	11	12
KANS	15	15	15
MO	59	59	48
NEBR	10	20	20
OKLA	30	13	45
S DAK	23	39	29
TEX	67	64	71
7 STATES	36	37	39

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

	SORGHUM % HARVESTED		
	1984	1983	AVG.
COLO	0	0	0
KANS	5	4	4
MO	18	22	14
NEBR	0	2	0
OKLA	5	5	5
S DAK	0	0	0
TEX	64	58	67
7 STATES	27	25	27

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

	RICE % HARVESTED		
	1984	1983	AVG.
ARK	14	18	22
CALIF	10	1	4
LA	82	72	82
MISS	18	13	26
TEX	100	100	100
5 STATES	39	37	42

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

	COTTON % BOLLS OPENING		
	1984	1983	AVG.
ALA	42	41	47
ARIZ	80	70	80
ARK	56	67	56
CALIF	90	50	53
GA	48	58	66
LA	58	43	59
MISS	70	65	75
MO	85	83	69
N MEX	50	21	30
N C	86	83	69
OKLA	20	10	25
S C	58	81	75
TENN	28	52	40
TEX	25	29	33
14 STATES	45	41	45

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

	COTTON % HARVESTED		
	1984	1983	AVG.
ALA	0	0	0
ARIZ	0	1	2
ARK	1	3	5
CALIF	0	0	0
GA	2	1	10
LA	2	1	4
MISS	1	0	2
MO	1	4	8
N MEX	0	0	0
N C	0	0	2
OKLA	0	0	0
S C	0	2	4
TENN	0	0	0
TEX	13	12	13
14 STATES	7	6	7

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

	SOYBEANS % DROPPING LEAVES		
	1984	1983	AVG.
ALA	13	12	17
ARK	2	14	16
GA	16	17	19
ILL	40	53	42
IND	40	55	30
IOWA	42	46	35
KANS	40	35	25
KY	18	17	21
LA	16	14	18
MICH	40	55	35
MINN	34	40	40
MISS	8	6	25
MO	27	28	16
NEBR	15	35	25
N C	3	3	3
OHIO	25	40	35
S C	7	12	15
TENN	3	11	13
18 STATES	26	33	28

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

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

THESE 18 STATES PRODUCED 93% OF THE 1983 SOYBEAN 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: Temperatures slightly above normal. Rainfall scattered 0.00 to 2.07 in.

Soil moisture short over the State. Fieldwork: 6.4 days. Corn harvested 57%, 68% 1983, 61% avg. Soybeans turning yellow 28%, 35% 1983, 40% avg. Soybeans dropping leaves 13%, 12% 1983, 17% avg. Soybeans mature 2%, 14% 1983. Soybeans harvested 0%, 0% 1983, 0% avg. Cotton bolls open 42%, 41% 1983, 47% avg. Cotton harvested 0%, 0% 1983, 0% avg. Peanuts dug 22%, 10% 1983, 23% avg. Peanuts combined 11%, 4% 1983, 13% avg. Sorghum harvested 44%, 37% 1983. Activities: Harvesting corn, sorghum, peanuts, and vegetables; preparing equipment for soybean and cotton harvest; preparing for fall planting; and routine care of livestock and poultry. Conditions: Soybeans and pasture fair to good; cotton, peanuts, sorghum, and livestock mostly good.

ALASKA: High pressure gave generally fair skies across State early in week, then low pressure system moved in clouds and light rainfall southern areas. Temperatures averaged above normal most areas.

With weather conditions in their favor, growers through Railbelt had up to 7.0 days for harvesting second crop hay, digging potatoes and combining small grain. The exceptional weather has aided the maturity of small grains and this year's barley crop was over 70% combined; last year 50% was harvested. Dry weather conditions helped to keep moisture of harvested barley on the low side. Over 90% of State's second crop hay has been harvested compared with last year's 50%. Potato digging made excellent progress with 90% harvested. Soil moisture supplies varied from short to adequate.

ARIZONA: Main thundershower activity afternoon, night of 10th, number locations over 1.00 in. rain. One to 2.00 in. Salt River Valley caused flooding of streets, highways, some houses, commercial buildings. Greatest amount of 2.82 in. at Payson, 6 in. northeast of Payson. Scattered thundershowers chiefly over White Mountains, southeast remainder of week; mostly sunny skies elsewhere. Average temperatures varied 10° below normal to 4° above.

Cotton 80% open bolls, 70% last year, 80% average. Insects continued problem. Alfalfa harvest continued, moderate trading. Demand good for better quality hay. Most current offerings contained some degree of rain damage. Corn, sorghum average condition. Corn harvest started. Lemon harvest continued with packers ring picking. Carrots packed Willcox, green onions started. Some apples, chili peppers harvested Cochise County. Planting cauliflower, lettuce Yuma area.

ARKANSAS: A warmer than normal week, temperatures ranged from 1 to 6° above normal. High 101°, low 53°. All stations reported some rainfall, most had over 1.00 in. of rain. Most rainfall 4.26 in., least trace.

Soil moisture short in northwest and southeast. Slightly below adequate elsewhere. Days favorable for fieldwork 6.1.

Cotton good condition; open bolls 56%, 67% 1983, 56% average; less than 5% harvest this year, 3% 1983, 5% average. Rice good condition; headed 100% this year and 1983, 99% average; ripe 43%, 48% 1983, 62% average; harvested 14%, 18% 1983, 22% average. Soybeans good condition;

blooming 97% this year and 1983, 96% average; setting pods 96%, 94% 1983, 90% average; yellowing 8%, 23% 1983, 24% average. Corn good condition; harvested 76%, 75% 1983, 67% average. Sorghum good condition; harvested 33%, 50% 1983, 54% average. Livestock condition good to fair. Pastures about average.

CALIFORNIA: Hot statewide except for a narrow strip along the Oregon border where the weekly means were at seasonal normals. Morning minimums there even dropped below freezing a couple of mornings. Moist, tropical air pushed the averaged weekly mean temperature 10° above normal over the south coast and coastal locations reported nearly 0.25 in. of rain. Showers peppered the high desert of the southeast interior but amounts were generally negligible. After the south coast, the San Joaquin Valley next hottest, averaging 70° above normal.

Cotton developing well; more defoliated; irrigation terminated; 90% open bolls, 50% last year, 53% average. Some worm treatment. None harvested, 0% last year, 0% average. Harvesting of field corn, sugarbeets, safflower mostly complete. Rice harvest more active, 10% harvested, 1% last year, 4% average. Most fields draining. Alfalfa seed mostly harvested, hay cutting active. Dry beans harvesting, heat damage smaller varieties. Continued preparation fall planted winter grains. Winter wheat, none planted, 0% last year, 0% average. Packing late apple varieties. Avocados have fair quality and demand. Table grape harvest slowing. Ninety percent of raisin crop layed, more than half rolled. Wine grape harvest in full swing. Casselman plum harvest nearly complete. Good grapefruit quality. Desert lemon harvest started large crop expected. Normal Navel orange crop with smaller fruit. Late Valencias good quality, few being packed. Almond harvest full swing exceeding grower expectations. Walnuts husk split. Some spraying for Husk fly. Artichokes light supply varying quality Salinas. Snap bean harvest continues westside San Joaquin. Broccoli fairly heavy supply central coast good quality. Cantaloupe harvest continues San Joaquin westside fair quality. Fall desert crop progressing well. Carrot supplies moderate Salinas good quality. Cauliflower moderate to light supply central coast variable quality. Celery light supply Salinas while moderate supplies Santa Maria. Harvest mixed melons honeydews continued San Joaquin Sacramento valleys. Lettuce moderate supply Salinas light supply Santa Maria. Both areas variable quality and weights. Lettuce continues develop San Joaquin. Bell pepper light moderate supply good quality central coast. Harvest continues red white fall potatoes Perris-Hemet fair quality. Yield quality Norgolds appear good Tullake-Butte Valley. Strawberry harvest continues central coast good quality. Harvest sweetpotatoes continues San Joaquin. Market tomato harvest continues San Joaquin coastal. Processing tomato harvest continue slow down San Joaquin Sacramento valleys. Ranges extremely dry over most State. Fires continue problem due-tinder dry grass brush. Supplemental feeding increasing many areas. Livestock movement from summer pasture more active.

COLORADO: Light, localized rain several days of the week with nothing over 0.50 in.

Temperatures 2 to 5° above normal.

Dry soil conditions have caused winter wheat planting to fall behind normal; seeded, 40%; 1983, 51%; average, 56%. Plant emergence at 15%; 1983, 19%; average, 18%. Corn in very good condition, 89% dented; 1983, 74%; average, 71%. Silage harvest at 53%; 1983, 19%; average, 30%; 37% mature; 1983, 12%; average, 18%. Sorghum 75% turned color; 1983, 68%; average, 64%; 12% mature; 1983, 11%; average, 12%. Alfalfa 2nd cutting 96% complete; 1983, 89%; average, 90%. Third cutting 50% complete; 1983, 52%; average, 54%. Barley harvest 95% complete; 1983, 92%; average, 87%. Spring wheat harvest at 60%; 1983, 75%; average, 69%. Fall potato harvest at 20%, 1983, 8%; average, 6%. Summer potato is 64% complete; 1983, 53%; average, 56%. Dry bean cutting at 86%; 1983, 68%; average, 53%. Threshing 37% complete; 1983, 28%; average, 25%. Onion harvest at 35%; 1983, 55%; average, 40%. Days suitable for fieldwork: 6.3.

FLORIDA: Unusually dry, nearly clear skies continued most of week in Hurricane Diana's wake. After a cool start, temperatures warmed to above normal latter half of week. Rains from 1.00 to 3.00 in. over farming areas, southwest, on the 15th in response to weak tropical disturbance. Another 0.50 in. fell in the southwest on the 16th, at weekend, scattered showers, with a few thunderstorms moved into northern sections with a weakening cold front, continued into central portions. Rainfall amounts with the front mostly around 0.25 in. or less.

Soil moisture adequate along east coast and south; short central, northern, Panhandle areas and approaching critical stage. Soybeans good growth, but need rainfall badly for pod fill. Light corn harvest continues. Peanut harvest full swing with good quantity and quality nuts. Cotton good condition, maturing rapidly. Sugarcane growing rapidly; cutting cane for seed increasing. Hay harvest continues but growth limited in dry areas. Pasture conditions remain good to excellent most of Peninsula but are poor to fair northwest, Panhandle where more rainfall is needed. Cattle, calves remain in generally good condition statewide. Healthy citrus groves very good to excellent condition, such new foliage, citrus canker quarantine temporarily halted harvest until individual groves are certified disease free. Very limited shipments expected, week of 17th in the vegetable farming area, light, scattered showers occurred, some locally heavy, few areas. Temperatures mostly 80's daytime, 70's at night. Planting, transplanting most fall crops very active. Early crops growing well, eggplant, tomato fruit sizing well. Many crops bushing out well, blooms abundant. Light harvest cucumbers underway west central area. Early sweet corn silking, tasseling.

GEORGIA: Air temperatures during week about 20° above normal. Maximum temperatures into 90's over all but extreme north. Several stations reported highs in upper 90's mainly late in week. Lowest temperature 41° at Blairsville morning of 16th and at Clayton on morning of 17th. Much of State reported no significant rain but local totals to 1.00 in. occurred during week mainly in south.

Soil moisture 19% adequate, 40% short, 41% very short. Average days suitable for fieldwork: 6.2. Main activities harvesting, haying and planting. Corn mature 99%, 100% last year, 99% average; 76% harvested, 74% last year, 78% average; conditions 6% excellent, 59% good, 39% fair, 3% poor. Cotton bolls open 48%, 38% last year, 66% average; 2% harvested, 1% last

year, 10% average; conditions 9% excellent, 65% good, 22% fair, 4% poor. Peanuts dug 30%, 25% last year, 39% average; 18% threshed, 12% last year, 23% average; conditions 9% excellent, 56% good, 31% fair. Soybeans setting pods 99%, 97% last year, 96% average; dropping leaves 16%, 17% last year, 19% average; conditions 6% excellent, 44% good, 35% fair, 15% poor. Tobacco harvested 99%, 99% last year and average. Wheat planted 2% this year and last year, 3% average. Rye planted 3%, 4% last year and average. Other small grains planted 1%, 5% last year, 6% average. Apples harvested 79%, 74% last year, 82% average; condition 6% excellent, 69% good, 25% fair. Pecan conditions 4% excellent, 53% good, 36% fair, 4% poor. Grain sorghum conditions 4% excellent, 56% good, 35% fair, 5% poor. Hay conditions 4% excellent, 48% good, 35% fair, 10% poor. Pasture condition 4% excellent, 44% good, 39% fair, 10% poor. Cattle conditions 74% good, 21% fair. Hogs conditions 74% good, 23% fair.

HAWAII: Most areas of the State continued to experience sunny skies with little rainfall. Generally cloudy conditions during the afternoons provided some relief to the record high temperatures of previous weeks. Water restrictions continued on Oahu and parts of Kauai Island.

Water conservation programs were again implemented in the Waimea district of Hawaii Island due to shrinking supplies in one of the State's reservoirs. This district is one of the primary vegetable growing regions in the State and farmers there are on a daily 3-hour irrigation schedule. Chinese cabbage production will remain moderate. Some of the production is being shipped to the mainland. Yields generally good. Head cabbage and head lettuce production moderate to heavy and expected to increase next week. Papaya production forecast to decrease seasonally. Strict fruit maturity standards increasing the culling rate.

IDAHO: A northwesterly flow of air brought cool temperatures and light rain showers to the State. Temperatures averaged near normal in the south and from near normal to 5° below normal in the north. Average rainfall ranged from 0.10 to 0.25 in. below normal statewide. Several locations in the north received 0.10 to 0.40 in. above normal rainfall.

Harvesting activity made good progress as 6.4 days were suitable for fieldwork. Potatoes advanced to 56% vines dying and 7% harvested compared with 62% vines dying and 8% harvested last year. Spring wheat was 84% harvested compared to 88% a year ago and 87% average. Spring barley was 79% harvested versus 88% in 1983 and 87% average. The third cutting of alfalfa hay was 21% harvested compared to 20% last year and 28% average. Dry beans were harvested on 23% of the acreage compared to 30% a year ago and 28% average. Sweet corn for processing harvest was nearing completion with 90% of the crop in. Corn silage advanced to 18% harvested versus 16% in 1983 and 20% average. Winter wheat was 20% seeded compared with 15% last year and 18% average.

ILLINOIS: Temperatures 7° above normal to 4° below normal. Precipitation 0.0 to 3.20 in., heaviest central and south.

Soil moisture 4% surplus, 58% adequate, 38% short. Corn mature 52%, last year 70%, avg. 66%; harvested 3%, last year 6%, avg. 3%. Corn condition, 1% excellent, 54% good, 41% fair, 4% poor. Soybeans turning yellow 69%, last year 80%, avg. 72%; shedding leaves 40%, last year 53%, avg. 42%; harvested 4%, last year 7%, avg.

4%. Soybean condition 1% excellent, 41% good, 53% fair, 5% poor. Winter wheat seeded 2%, last year 1%, avg. 2%. Pasture condition is excellent, 24% good, 55% fair, 20% poor. Days suitable for fieldwork: 3.5.

INDIANA: Temperatures averaged 2 to 40 above normal most of week. Highs in 80's to 90's in some areas. Weekend lows to upper 30's to low 40's on 16th. Some frost northern counties on morning of 17th. Soil temperatures averaged in the upper 60's to near 70° for the period with morning lows into the 50's over much of the State on the weekend. General rains early in week and scattered showers later. Totals varied from 0.30 to 3.30 in.

Fieldwork averaged 5.1 days. Topsoil moisture short to mostly adequate. Subsoil moisture short to adequate. Corn condition 4% poor, 29% fair, 63% good, and 4% excellent. Corn 98% dented, 1983 96%, average 90%. Corn 50% mature, 1983 50%, average 40%. Corn 1% harvested, 1983 1%, average 0%. Soybean condition 5% poor, 38% fair, 54% good, and 3% excellent. Soybeans 2% harvested, average 0%. Soybeans 40% dropping leaves, 1983 55%, average 30%. Soybeans 80% turning color, 1983 70%, average 70%. Soybeans 10% mature, 1982 20%, average 10%. Wheat land 36%, plowed, 1983 33%, average 40%. Wheat 3% seeded, 1983 2%, average 3%. Tobacco 45% harvested, 1983 30%, average 60%. Silos 45% filled, 1983 55%, average 40%. Rye 8% seeded, 1983 12%, average 8%.

IOWA: Temperatures averaged slightly above normal. Southeastern and central areas benefitted from rains received during the week.

Days suitable for fieldwork: 5.5. Corn crop condition 2% excellent, 43% good, 43% fair, 12% poor to very poor. Corn acreage in dent stage 91% complete; 94% last year, 87% normal. Corn acreage matured 44% complete; 72% last year, 46% normal. Corn harvesting 2% complete, 6% last year, 2% normal. Soybean crop condition 1% excellent, 36% good, 51% fair, 12% poor to very poor. Soybean acreage leaves turning color 77% complete; last year 82%; normal 72%. Soybean acreage shedding leaves 42% complete; last year 46%, normal 35%. Soybean acreage reaching maturity 22% complete; last year 22%; normal 12%. Third crop alfalfa hay 80% complete; 84% last year, 88% normal. Winter wheat acreage seeding 10% complete, 12% last year, 13% normal. Hay crop condition 2% excellent, 39% good, 34% fair, 25% poor to very poor. Topsoil moisture conditions 71% short, 29% adequate. Subsoil moisture conditions 25% adequate, 75% short. Livestock in good condition. Pasture conditions 1% excellent, 16% good, 35% fair, 33% poor, 15% very poor.

KANSAS: Temperatures averaged 70 to 730 northeast and west central. Southern districts averaged 75 to 770. Precipitation averaged 1.00 to 1.50 in. northeast and east central. North central, central, and southeast averaged 0.30 to 0.70 in. Over the western third of the State amounts were less than 0.10 in.

Sorghum 5% harvested, 4% last year and average; 65% turning color, 50% last year, 60% average; 15% mature, 15% last year and average. Corn 90% dented, 75% last year, 85% average; 10% harvested, 10% last year and average. Soybeans 40% dropping leaves, 35% a year ago, 25% average; 4% harvested, 0% last year and average. Winter wheat 10% planted, 5% last year, 15% average. Soil moisture mostly short. Pasture and rangeland poor to fair. Some supplemental feeding. Days suitable for fieldwork: 6.5.

KENTUCKY: Average temperatures were mostly lower 70's considered about 2 to 4° above normal. Precipitation averaged less than 0.50 in. Normal precipitation during period about 0.50 to 0.75 in.

Days favorable 5.8. Soil moisture 64% short, 36% adequate. Burley tobacco 72% cut, 52% last year, 70% average. Yields and quality generally good. Good curing conditions. Dark types 64% cut, 54% last year, 70% average. Corn 97% dent or beyond, 92% last year, 96% average. Corn 56% mature, 49% last year, 57% average. Corn 7% harvested, 8% average and last year. Harvest underway with most active western and southern counties. Yields generally good. Cutting corn silage. Soybeans 18% dropping leaves or beyond, 17% last year, 21% average. Soybeans 1% harvested, same last year and average. Full term beans good yields, while second crop beans hurt by lack rainfall. Concern over poor fall pasture conditions. Some farmers feeding hay.

LOUISIANA: Rainfall amounts ranged from none to 1.87 in. Average temperatures were 2 to 6° above normal. High 99°; low 64°.

Soil moisture short, west; short to adequate, elsewhere. Days suitable for fieldwork: 6.3. Activities included harvesting hay, rice, corn, sorghum, sweetpotatoes, and vegetables; fall vegetable and sugarcane planting; and insecticide application. Rice ripe 89% 1984, 88% 1983, 92% average; harvested 82% 1984, 72% 1983, 82% average. Corn harvested 92% 1984, 81% 1983, 84% average. Cotton open bolls 58% 1984, 43% 1983, 59% average; harvesting 2% 1984, 1% 1983, 4% average; condition good. Soybeans leaves turning color 36% 1984, 35% 1983, 38% average; leaves shedded 16% 1984, 14% 1983, 18% average; condition good. Sorghum ripe 97% 1984, 86% 1983, 82% average; harvested 85% 1984, 76% 1983, 64% average. Sweetpotatoes harvested 50% 1984, 58% 1983, 50% average; condition fair to good. Sugarcane planting 34% 1984, 38% 1983, 38% average; condition fair. Vegetable condition fair. Hay final cutting 70% 1984, 63% 1983, 57% average. Pasture condition fair to good. Livestock condition good.

MARYLAND AND DELAWARE: **Maryland:** The weather was near normal to 2° above normal west of the Bay to 1 to 2° below normal on the shore. No rain west; scattered light showers elsewhere.

Days suitable for fieldwork: 6.2. Soil moisture adequate north central and western areas; short elsewhere. Corn dented 95%, last year 80%; average 85%. Mature corn 2%, last year 50%, average 55%. Corn silage 65% cut, 75% 1983 and average. Ten percent corn harvested for grain, 1983 and average 15%. Soybeans 95% podded, 100% 1983, average 95%. Soybeans 30% turned, 45% 1983, average 35%. Soybeans shedding leaves 5%, 10% 1983, average 15%. Tobacco 95% topped. Tobacco harvest 80%, 60% 1983, average 80%. Barley planted 15%, 1983 35%, average 15%. Rye 5% planted, just beginning 1983, average 10%. Oats planting, a few fields. Apple harvest 45% complete, 1983 and average 35%. Peaches all harvested except a very few late varieties. Alfalfa hay 35% cut four times, 55% average and 1983. Third cutting of other hay 95% complete.

Delaware: Weather was cool north and normal central south. Rainfall zero south and mostly light showers elsewhere.

Fieldwork: 6.8 days. Soil moisture short. Corn 95% dented, 90% 1983, average 85%. Corn matured 60%, 1983 65%, average 55%. Grain corn 10% harvested, equal to 1983, average 15%. Corn silage 55% cut, 1983 65%, average 70%. Soybean condition fair. Crop 100% podded, equal to 1983, average 95%. Soybeans 30% turned, 1983

20%, average 35%. Soybeans 20% shedding, 5% 1983, average 10%. Apple harvest 20%, 50% 1983 and average. Peaches all picked, 95% 1983 and average. Alfalfa 4th cutting 75%, 40% 1983, 35% average.

MICHIGAN: There were cool nights across the State. Temperatures averaged 10° above normal with highs ranging from the low 70's to the low 80's. Minimum temperatures ranged from the mid 30's to the mid 40's.

Cool, wet weather over the State hindered crop development and fieldwork. Statewide 3.5 days suitable for fieldwork. Corn 85% dented, 90% last year, 85% average. Corn 25% mature, 40% last year, 34% average. Soybeans 40% shedding leaves, 55% last year, 35% average. Soybeans 10% mature, 20% last year, 10% average. Dry beans 10% harvested, 15% last year, 25% average. Corn silage 20% harvested, 25% last year, 18% average. Third cutting hay is 55% baled, 70% last year, 57% average. Wheat 2% planted, 5% last year, 6% average. Sizing of fruit and vegetables small than normal.

MINNESOTA: Temperatures remained below normal and many areas were hit by frost by the end of the week. Temperatures averaged 2 to 5° below normal. High: 88°, low: 25°. Precipitation averaged 0.31 to 0.52 in. below normal for the northern 1/3 of the State and near normal to 1.32 in. above normal elsewhere. Greatest weekly total: 2.25 in.

Intermittent showers provided relief in many areas which benefitted the sugarbeet crop and increased fall fieldwork activity. Cool and cloudy weather continued to slow the maturity of row crops. Late planted corn and soybeans still needed 2 to 4 weeks of warmer weather to reach full maturity. Sugarbeet harvest began in the Red River Valley. Pastureland continued to be dry and short and some farmers had their livestock on full feed. Days suitable for fieldwork: 5.0. Topsoil moisture: 9% very short, 32% short, 55% adequate and 4% surplus. Field corn: denting 95%, 1983 95%, normal 84%; mature 33%, normal 24%; condition 5% poor, 43% fair, 46% good, 6% excellent. Soybeans: turning yellow 87%, 1983 89%, normal 84%; shedding leaves 34%, 1983 40%, normal 40%; mature 8%, 1983 9%, normal 6%; condition 3% poor, 39% fair, 53% good, 5% excellent. Sunflowers: dropping ray petals 96%, 1983 98%, normal 90%; bracts turning yellow 80%, 1983 84%, normal 76%; bracts turning brown 32%, 1983 37%, normal 39%. Sugarbeets: harvested 4%, 1983 5%, normal 2%. Potatoes: harvested 34%, 1983 22%, normal 21%.

MISSISSIPPI: Rainfall averaged 0.50 to 1.00 in. in most areas. Hot weather the first of the week. Cold front on the 14th. Temperature extremes 45 and 98°.

Soil moisture short. Fieldwork 5.9 days suitable, 5.8 1983, 4.5 average. Main activities: Cutting rice and milo, planting winter pasture, and baling hay. Cotton condition good; 70% open bolls, 65% 1983, 75% average; 1% harvested, 0% 1983, 2% average. Soybeans good; 8% dropping leaves, 6% 1983, 25% average; 0% harvested, 0% 1983, 1% average. Rice fair go good; 40% mature, 41% 1983; 18% harvested, 13% 1983, 26% average. Sorghum good; 40% harvested, 30% 1983, 35% average. Corn condition good; 42% harvested, 32% 1983, 45% average. Wheat planting 4% completed, 4% average. Hay 85% harvested; sorghum silage 65%; corn silage 88%. Peanuts 38% harvested, 48% 1983, 39% average. Sweetpotatoes 33% harvested, 22% 1983, 25% average. Pasture condition fair to good. Pecan condition fair.

MISSOURI: Very heavy rains fell in the north and east sections early in the week with some minor flooding. Rain was well above normal for the week. Averaging 1.00 to 2.00 in. except in the northeast where 3.00 to 4.00 in. was the rule. Temperatures climbed into the 90's by the midweek prior to a cold frontal passage. Temperatures then fell to the near record low in the 40's by the weekend.

Days suitable for fieldwork: 3.6. Soybeans turning color 55%, 56% last year, 40% normal. Soybeans dropping leaves 27%, mature 6% last year, 20% normal. Condition of soybeans 1% excellent, 9% good, 49% fair, 41% poor. Corn dent 96%, 99% last year, 90% normal. Corn mature 56%, 73% last year, 56% normal. Corn harvested 12%, 22% last year, 15% normal. Sorghum harvested 18%, 22% last year, 14% normal. Condition of sorghum 2% excellent, 33% good, 50% fair, 15% poor. Cotton with bolls opening 85%, 83% last year, 69% normal. Cotton 1% harvested, 4% last year, 8% normal. Condition of cotton 47% good, 53% fair. Alfalfa hay 3rd cutting 87%, 94% normal. Wheat 3% planted, 1% last year, 3% normal. Condition of pasture 4% good, 35% fair, 61% poor. Topsoil moisture supply 3% surplus, 46% adequate, 51% short.

MONTANA: For the first time in months temperatures were below normal over entire State. Temperatures averaged 3 to 7° below normal. First general frost and freezing temperatures of year were noted over much of State. North central and northeast had general rains over the area with amounts generally from 0.10 to 0.50 in. Precipitation over rest of State was spotty and mostly light.

Soil moisture short except west of Continental Divide. Fieldwork days suitable: 5.5. Crops harvested compared with last year and average: Dry beans 50, 30, 30; corn silage 35, 40, 30; potatoes 5, 5, 5. Second cutting of alfalfa hay 90% complete, last year 90%, average 85%. Winter wheat seeded 10% complete, last year 20%, average 20%. About 45% of cattle and sheep moved to winter pastures. Grazing prospects on fall range generally poor, fair in northwest, good in southwest. About 10% of livestock receiving supplemental feed.

NEBRASKA: Precipitation averaged from a trace southwest to 0.50 in. northeast. Temperatures ranged from normal Panhandle to 1 to 3° below normal elsewhere.

Corn condition rated 3% poor, 20% fair, 65% good, 12% excellent. Corn 94% dent, 94% last year, 75% average. Corn mature 25%, 35% last year, 25% average. Corn harvested 0%, 2% last year, 0% average. Sorghum condition rated 5% poor, 38% fair, 58% good. Sorghum turning color was 70%, 91% last year, 80% average. Sorghum ripe 10%, 20% last year and average. Sorghum harvested 0%, 2% last year, 0% average. Soybean condition rated 3% poor, 50% fair and 47% adequate. Soybeans turning color 50%, 75% last year, 65% average. Soybeans shedding leaves 15%, 35% last year, 25% average. Soybeans harvested 0%, 1% last year, 0% average. Wheat planted 50%, 50% last year, 45% average. Alfalfa third cutting 90%, 80% last year, 96% average. Topsoil moisture rated 73% short, 27% adequate. Subsoil moisture rated 67% short, 33% adequate. Days suitable for fieldwork averaged 6.2.

NEVADA: Mostly carbon copy of preceding week--dry and hot. Temperatures well above normal for this time of year all areas. Some cloud scattered localities but no measureable precipitation.

Potato digging operations full swing in main producing area. Good progress combining 1984 alfalfa seed crop. Yields higher than usual. More cattle moved to lower elevation range.

NEW ENGLAND: Temperatures near normal with no significant frost, rainfall averaged 0.10 to 0.20 in. in northern Maine. The rest of the region averaged between 0.35 to 1.60 in.

Soil moisture supplies short. Grazing availability short to adequate. An average of 6.0 days were suitable for fieldwork. Silage corn 20% chopped, on schedule with last year, condition good. Maine potatoes 5% dug, condition good. Oats 25% harvested. Sweet corn 90% picked, same as last year. Tobacco harvest complete curing conditions good. Cranberry dry-harvest underway.

NEW JERSEY: Temperatures averaged slightly below normal. Extremes were 30° on the 16th and 89 on the 15th. Weekly rainfall averaged 0.27 in. north, 1.86 in. central and 0.81 in. south. The heaviest 24-hour total was 6.20 in. on the 14th to 15th. Estimated soil moisture, in percent of field capacity, averaged 86% north, 76% central and 69% south. Four inch soil temperatures averaged 62° north, 65° central and 66° south.

Fieldwork: 6.0 days suitable. Cooler temperatures beneficial for fall vegetable crops. Fall apple varieties sizing well; harvest underway. Fall vegetables being irrigated. Soybean and field corn crop prospects good. Hay making nearly completed. Harvest of corn for silage increasing.

NEW YORK: Temperatures were near normal for the week. Averages ranged from the upper 50's in the Adirondacks and St. Lawrence Valley to the mid 60's in the lower Hudson Valley and Long Island. Rainfall amounts were highly variable in the State. The heaviest were in the western part of the State with amounts in excess of 2.00 in. common. Above normal rainfall was also observed in the Catskill through the Adirondacks into the Champlain Valley. The least amount of rain occurred in the lower Hudson Valley with amounts under 0.50 in.

The cold and wet weather continues to delay haying operations and slow corn development. Corn in good shape but needs warm weather. Oat harvest nearing completion. Alfalfa regrowth has been good but quality down. Third cutting of alfalfa 41% complete, compared with 60% last year and the average of 53%. Harvest of dry beans has begun. Apple condition remains very good, and McIntosh harvest underway. Early wine grapes such as Aurora being picked. Vegetable harvest has been delayed by wet fields. Vegetable crops 2-3 weeks behind normal.

NEW MEXICO: Average temperatures little above normal most locations. Rainfall totals generally less than 0.50 in.; most significant amounts in northeastern and central locations.

Soil moisture supplies short to adequate. Alfalfa good condition; Fourth cutting continues. Cotton fair to good. Corn fair to good; silage harvest nearly complete. Barley excellent; over half planted. Irrigated wheat good; planting continues. Irrigated grain sorghum good. Pecans good. Chile fair to good; red chile harvest continues. Lettuce fair to good. Cattle and sheep good to excellent. Range good to excellent. Cotton open bolls: 50%, last year 21%, avg 30.

NORTH CAROLINA: Temperatures averaged near normal to 2° above normal across the State. Precipitation was spotty and ranged from none in

mountains and much of Piedmont to over 12.00 in. in some eastern coastal areas as result of hurricane Diana.

Soil moisture: 6% very short, 33% short, 27% adequate, 34% surplus. Days suitable for fieldwork: 4.5. Condition: tobacco 21% fair, 77% good, 2% excellent. Corn 5% poor, 9% fair, 74% good, 12% excellent. Cotton 28% fair, 72% good. Peanuts 13% poor, 27% fair, 57% good, 3% excellent. Soybeans 6% poor, 22% fair, 70% good, 2% excellent. Sweet potatoes: 6% poor, 16% fair, 73% good, 5% excellent. Apples 94% good, 6% excellent. Sorghum 17% fair, 83% good. Phenological stages: Cotton open bolls: 86%, 1983 83%, 69% average. Corn dent: 97%, 1983 100%, 100% average. Corn mature: 86%, 1983 93%, 92% average. Soybeans setting pods: 91%, 1983 85%, 91% average. Harvest: Flue-cured tobacco: 92%, 1983 85%, 92% average. Burley tobacco 60%, 1983 31%, 58% average. Corn for silage 72%, 1983 75%, 80% average. Corn for grain 29%, 1983 31%, 43% average. Sweet potatoes 8%, 1983 4%, 17% average. Apples 34%, 1983 24%, 42% average. Major farm activities: Flue-cured and burley tobacco harvest, corn grain and silage harvest, marketing tobacco, baling hay, spraying crops, harvesting apples, disking tobacco stalks and working ground for small grain seeding.

NORTH DAKOTA: Cloudy and cool weather prevailed last week; with many areas reporting freezing temperatures and frost. However, a warming trend returned on 15th. Temperatures averaged 4 to 7° below normal with temperature extremes ranging from 80° south central on the 12th to 25° northeast on the 15th. Significant rainfall occurred over the very dry northwest and north central with district precipitation totals of 0.99 and 0.72 in. respectively. Rainfall across the remainder of the State was spotty with the southwest receiving less than 0.05 in.

Scattered showers improved soil moisture supplies only slightly. To date, 98% of State short or very short of topsoil moisture and 2% adequate. Percent of each row crop in very good, good, fair and poor condition was: Sunflower 0, 29, 67, 4; potatoes 0, 24, 76, 0; soybeans 0, 92, 8, 0; corn 1, 22, 60, 17; and dry beans 0, 57, 43, 0. Percent of each crop harvested versus last year and average; soybeans 6, 4, 5; potatoes 45, 14, 21; flax 82, 67, 44; dry beans 75, 25, 25 and sugarbeets 5, 5, 2. Winter wheat seeding was 68% complete compared to 75% last year and 64% average. Rye seeding was 74% complete versus 80% last year and 69% average.

OHIO: Average temperatures 1 to 2° below normal. Highs in the 70s, lows in the 50s, extremes from low 90s to mid-30s. Precipitation below normal most stations. Range from less than 0.10 to 1.75 in.

Soil moisture 20% short, 70% adequate, 10% surplus; 6.0 days suitable for fieldwork. Main activities cutting corn for silage, cutting hay, preparing ground for winter wheat. Corn dented 90% 1984, 95% 1983, 90% average; mature 40% 1984, 50% 1983, 50% average; harvested 2% 1984, 5% 1983, 1% average; condition good. Soybeans leaves dropping 25% 1984, 40% 1983, 35% average; harvested 0% 1984, 3% 1983, 3% average; condition good. Winter wheat planted 2% 1984, 3% 1983, 3% average. Pasture condition fair to good.

OKLAHOMA: Temperatures averaged 4° above normal Panhandle and southeast to 8° above normal northeast. Precipitation averaged none central areas to 0.41 in. southeast.

Cool weekend temperatures kept row crops from

severe stress but rain needed statewide. Some southwest wheat producers "dusting in" wheat seed to obtain fall wheat pasture. High winds caused some cotton damage. Many farmers maintaining hay stocks as ranges short. Cotton and sorghum fair. Pastures fair to poor, and livestock good to fair condition. Wheat planted; 10%; 10%, 1983; 15%, average. Sorghum turning color: 95%; 80%, 1983; 85%, average. Sorghum mature: 30% 15%, 1983; 45%, average. Sorghum harvested: 5%; 5%, 1983; 5%, average. Cotton open bolls: 20% 10%, 1983; 25%, average. Cotton harvested: 0% 0%, 1983; 0%, average.

OREGON: Daily coastal drizzles left 0.30 in. precipitation. Less than 0.10 in. for Willamette Valley and north central areas. Slightly warmer than normal temperatures at coast. Temperatures 3° below normal elsewhere.

Harvest of grains nearly complete, only higher elevations in east remain. Preparation for fall seeding. 1985 winter wheat 3% in ground; last year, 6%; average, 9%. In Willamette Valley: grass seeds and clover seeds being planted; some Red clover harvest continues; sugarbeets for seed in and growing well; hop harvest nearly complete; some mint flaming. In Hermiston region: corn for silage harvest underway; second crop turnips in and growing well. In Malheur County harvesting dry beans, clover seed, and alfalfa seed. Bosc and Comice pears nearly all harvested in Medford area. Bartlett harvest about finished and Anjou pears in full swing in Hood River Valley. Harvest of Red and Golden Delicious apples underway near Milton-Freewater. Willamette Valley: Elberta peach harvest; early Milton prune picking; blackberry and blueberry picking; filberts beginning to drop. Coos County cranberry growers continue to irrigate; crop sizing and coloring good. Potato digging continues in Hermiston-Boardman area and Malheur County. Western growers also have begun to dig. In central areas and Klamath County, growers awaiting vine kill by frost. Onion harvest in full swing in Malheur and Umatilla Counties. Sweet corn harvest continues, as does harvest of other processing vegetable crops. In west, livestock in generally good condition; range and pasture conditions fair to good. In east, livestock in good condition; recent rains have improved forage so that ranges and pastures in mostly good condition.

PENNSYLVANIA: The beginning of the week was mild and clear except for scattered showers in the western part of the State. Midweek was unseasonably warm and humid with light showers in all divisions. End of the week was cooler with small amounts of rainfall throughout all areas. Temperatures averaged 2° above normal. Average precipitation was 0.64 in. 0.20 in. below normal.

Days suitable: 5.0. Moisture mostly adequate. Activities: Plowing; seeding alfalfa and small grains; making hay; harvesting potatoes, tobacco, corn silage, tomatoes, apples, peaches. Tobacco 91% harvested, last year 65%. Potatoes 53% harvested, last year 47%. Corn silage 16% harvested, last year 27%. Corn for grain 54% dented or past and 5% mature; last year 62% dented or past and 13% mature; average 70% dented or past and 16% mature. Fall plowing 54% complete; last year 52%; average 55%. Barley 39% planted, last year 26%. Wheat 37% planted, last year 19%. Third crop alfalfa 70% harvested, last year 82%. Fourth crop alfalfa 34% harvested, last year 20%. Second cutting CLO-TIM 95% harvested, last year 92%. Quality of hay made mostly good to fair. Feed from pastures mostly average.

PUERTO RICO: Island average rainfall 2.65 in. or 0.88 in. above normal. Highest weekly total 9.34 in. Highest 24-hour total 4.16 in. Temperatures averaged about 81 to 80° on coasts and 76 to 74° interior divisions. Mean station temperature ranged from 67.9 to 82.6°. Extremes 94 and 55°.

SOUTH CAROLINA: Weather at the beginning and end of the period cooler than usual. Hurricane Diana moved northward to Willington by midweek then moved westward to eastern North Carolina. Storm then moved northward to northeastward causing strong winds and heavy rains over Horry county with lesser effect elsewhere. Rainfall in northeastern tip of county exceeded 4.00 in. during storm. Precipitation over remainder of the State was light to none.

Soil moisture short. Days available for fieldwork: 5.2. Corn condition good; 98% mature, 99% last year, 99% average; 66% harvested, 65% last year, 72% average. Cotton condition good; 58% open bolls, 81% last year, 75% average. Soybean condition fair to good, insects increasing in some fields; 7% leaves turning, 12% last year, 16% average. Tobacco: 100% harvested, 96% last year, 96% average; 57% stalks destroyed, 36% last year. Apple condition excellent: 62% harvested, 46% last year, 61% average. Grape harvest continues, conditions good to excellent. Fall hay harvest continues with fair to good conditions.

SOUTH DAKOTA: Average temperatures ranged from 5° below to 10° above normal. Extremes: 90 and 31°. Most of the State received some rain during the week, though generally less than 1.00 in.

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 and hauling hay were main farming activities. A light frost occurred night of 14th and morning of 15th in parts of the State, no major damage reported. Range and pastures in fair to good condition statewide. Sorghum harvested 0%, 1983 0% average 0%. Sorghum turning color 80%, 1983 85%, average 78%. Sorghum mature 23%, 1983 39%, average 29%. Corn dent 70%, 1983 85%, average 85%. Corn mature 32%, 1983 57%, average 50%. Corn harvested 0%, 1983 0%, average 0%. Winter wheat seeded 56%, 1983 57%, average 60%.

TENNESSEE: Warm and humid conditions prevailed over the State through the 14th. A stationary front to the north sparked scattered thundershowers on the 11th mainly in the West. A strong cold front moved in on the 14th bringing scattered showers, and drier, cooler air over much of the State. Temperatures averaged 5° above normal during the week; however, they fell to 10 to 15° below normal during the weekend. Rainfall in the west was generally light to moderate and elsewhere was light.

Soil moisture levels were rated: 3% surplus, 30% adequate, 67% short. Farmers averaged 6.0 days of fieldwork. Corn mature; 67%, 1983 77%, average 72%; harvest; 9%, 1983 10%, average 13%. Cotton open bolls: 28%, 1983 52%, average 40%. Soybeans setting pods: 99%, 1983 100%, average 100%; yellowing leaves: 11%, 1983 N/A, average N/A; shedding leaves: 3%, 1983 11%, average 13%. Tobacco harvested - burley: 72%, 1983 65%, average 76%; dark-fired: 69%, 1983 53%, average 70%; dark-air cured: 75%, 1983 53%, average 75%. Wheat acreage sown; 4%, 1983 3%, average 8%. Sorghum coloring: 74%, 1983 N/A, average N/A; mature: 13%, 1983 N/A, average N/A. Pastures and livestock continue in mostly fair to good condition.

TEXAS: Most week dominated by warm, humid tropical air mass, weekend influenced by cool, continental airmass, result of cold front sweeping through Texas on 14th and 15th. Even though very strong cold front, northern half State mainly dry. Front triggered thunderstorms southern half State. Lower Valley received largest amount of rain. Temperatures were near normal. Precipitation below normal most State, lower third above normal rainfall.

Crops: Hot, dry temperatures accelerated crop maturing. Windy conditions problems High Plains, soil moisture being depleted by moderate winds. Dry conditions slowed planting small grains many areas. Harvest good progress Central, East Texas. Conditions decline slightly, soil moisture needs to be replenished statewide. **Cotton** excellent progress Plains. Hot, dry condition aided opening bolls. Some fields Low Plains lost immature bolls due high winds. Harvest moved steady pace Blacklands. Harvest continued East, Central Texas good yields reported. Current condition 73% of normal compared with 61% a year ago. Reported condition 3% excellent, 58% good, 25% fair and 14% poor. Grain **sorghum** good progress Plains. Small amount grain for seed purposes cut; majority of harvest begin few weeks. Dryland fields looking good at present. By week's end, the crop was 66% of normal compared with 74% a year ago. Current conditions 3% failure. **Corn** harvest gained momentum Plains. Hot, dry conditions, along with moderate winds, aided maturing. Yields look good. Harvest virtually completed most areas, only few fields remaining. Current condition 70% of normal compared with 81% a year ago. Reported condition 10% excellent, 41% good, 32% fair, 16% poor and 1% failure. Irrigated **peanuts** good progress statewide. Some wilting, result windy conditions, occurred despite heavy irrigation. Harvest activities begin soon areas Central Texas. Dryland peanuts need rain badly. **Sugarbeet** harvest begin soon High Plains. Crop excellent condition, yield prospects high. Excellent growing conditions experienced. **Small grain**, planting moved along Plains, producers take advantage good, early soil moisture. Many other areas slowed planting due dry conditions. Some growers "dusting in". Soybean harvest continues Upper Texas Coast, fair yields. Plains defoliation occurring.

Cotton setting bolls 100% 1984, 100% 1983, 100% average; open bolls 25% 1984, 29% 1983, 33% average; harvested 13% 1984, 12% 1983, 13% average. **Rice** harvested 100% 1984, 100% 1983, 100% average. **Sorghum** headed 100% 1984, 100% 1983, 100% average; turning color 85% 1984, 82% 1983, 86% average; mature 67% 1984, 64% 1983, 71% average; harvested for grain 64% 1984, 58% 1983, 67% average. **Wheat** planted all purposes 20% 1984, 6% 1983, 18% average. **Corn** harvested for grain 66% 1984, 69% 1983, 52% average. **Peanuts** harvested 2% 1984, 3% 1983, 14% average. **Soybeans** 8% 1984, 0% 1983, 1% average. **Sunflower** 0% 1984, 4% 1983, 10% average. **Oats** planted for all purposes 6% 1984, 8% 1983, 11% average.

Commercial vegetables: Rio Grande Valley, field operations delayed widely scattered showers. Good progress fall vegetables already planted. High Plains, harvest continues cucumbers, peppers, cabbage, melons, carrots, cantaloupes. Potato, onion harvest completed. Trans-Pecos, pepper harvest underway. Recent rains caused wilt damage poorly drained fields. East Texas, fall planting underway many areas. Some areas too dry to plant. Sweetpotato harvest continues, production fair. **Pecans** mature statewide, prospects fair to poor. **Nuts** shell-hardening stage some areas, harvest nears.

Range and livestock: Pasture, range conditions varied. Plains good grazing available; additional rain needed. Ranges Trans-Pecos good condition due to rains August. Across Edwards Plateau, grazing short, supplemental feeding continues heavy rates. Livestock condition statewide good; they are declining areas little or no grazing. Marketings steady.

UTAH: Extremely heavy precipitation one station early in week. General precipitation latter part of week ranging zero to light except light to moderate over mountains in northern half of State. Maximums near normal north half State and 30° above south half, ranging 60° below to 70° above. Minimums averaged 50° above normal, ranging 10° below to 100° above.

Small grain harvest winding down, with 6.4 days of good harvest weather. Barley 90% harvested; spring wheat 88%; and oats 76%. Third cutting alfalfa hay 32% complete and alfalfa seed 16%. Corn silage fields open, harvest just beginning. Corn for grain 66% in the dough stage. Fruit harvest in full swing.

VIRGINIA: Cloudy until 16th--except for southeast where normal rainfall occurred--sparse rainfall did not relieve continuing dry conditions. Warmer with normal temperatures until cold frontal passage cooled off 15th.

Most areas need rain. Topsoil moisture ratings 65% short, 33% adequate, and 2% surplus. Moisture conditions best in southeast corner. Dry weather allowed 5.7 days for fieldwork. Corn yields reported above average in many areas. Later than normal crop development with 92% in or beyond dent stage, 95% last year and average. Corn 76% mature, 84% last year, 85% average. Harvest of grain corn 24% complete, 30% last year, 26% average. Silage 63% cut, 73% last year, 64% average. Soybeans in good to excellent condition but many late fields need rain. Insect problems less than expected. No soybean harvesting yet. Tobacco harvest and marketing progressing normally. Flue-cured tobacco harvest 73% complete, 75% last year, 79% average. Dark-fire tobacco harvest 84% complete, 79% last year, 84% average. Burley tobacco harvest 66% complete, 48% last year, 71% average. Sun-cured tobacco harvest two thirds complete, about normal. Peanut conditions remain good as harvest begins. Some farmers harvesting slightly early because of disease problems. Quality crop expected. Apple harvest advancing normally. About one fourth of crop harvested. Small grain planting becoming more active. Oats 8% seeded, about same as other years. Barley 5% seeded. Wheat planting just starting. Cattle vaccinating and marketing active statewide. Hay and pasture land being fertilized and reseeded. Final hay harvest of season in progress.

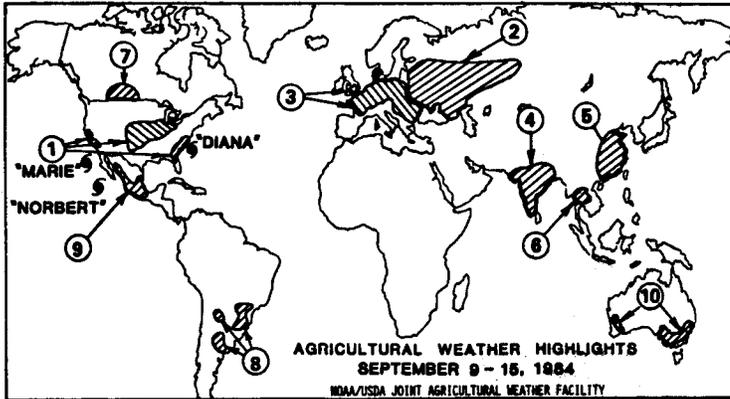
WASHINGTON: Low pressure systems moving across northern Vancouver Island into mainland British Columbia trailed relatively weak fronts into State. Although most sites west of the Cascades reported rain through 11th, most of it fell with the stronger front on 10th and 11th. Little or no rain was reported east of the Cascades, however. High pressure began to intensify over the State on 12th and produced unseasonably warm and dry conditions by 14th.

Winter wheat planting continues in dryland areas, nearly one-half complete. Some reseeded in Douglas, Adams and Lincoln County. Many winter wheat farmers in southeast are waiting for moist soil conditions before planting. Winter wheat harvest essentially complete. The

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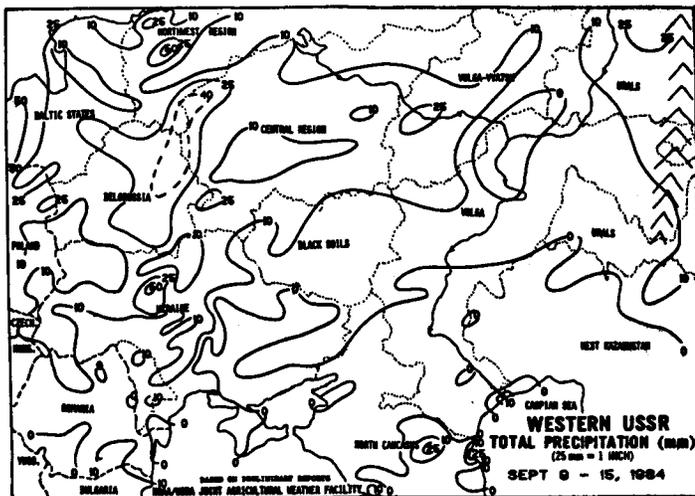
International Weather and Crop Summary

Sept. 9-15

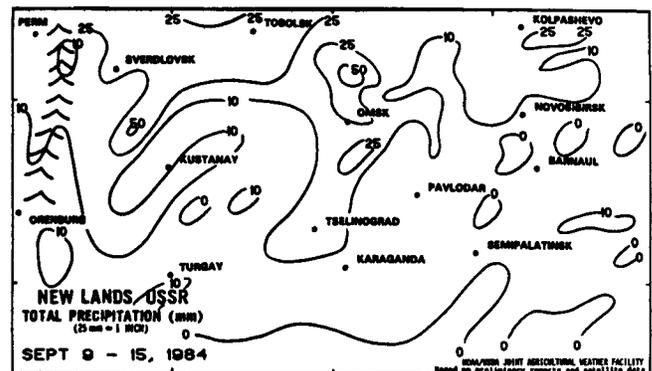


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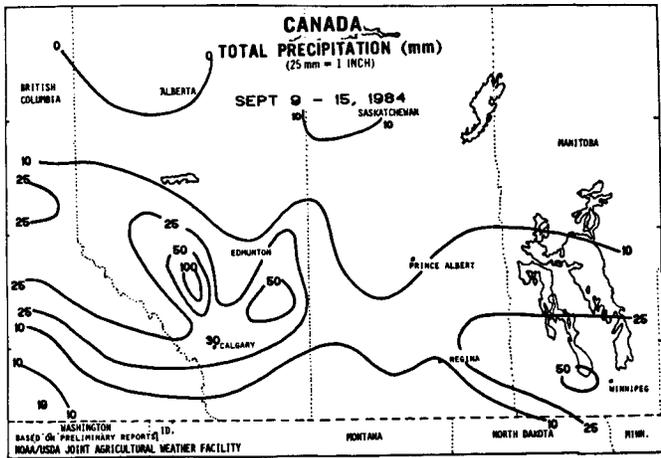
- UNITED STATES** ... Rain from eastern Kansas to Ohio benefits late soybeans and newly seeded wheat; however, continued, hot, dry weather further delays wheat planting in the remainder of the central Plains. Hurricane Diana brings needed moisture to the Southeast coastal Plains, but damages some of the Carolina coast around Wilmington. A persistent heat wave over California helps dry the remaining raisins.
- USSR** ... Wet weather in eastern European USSR slows corn maturation but improves conditions for winter wheat planting. Wet weather in the northwestern New Lands slows spring grain harvesting.
- EUROPE** ... Showers benefit winter grain planting in England and Poland, but heavier rain halts fieldwork in central Europe from the Benelux countries and West Germany to northern Italy and western Yugoslavia.
- SOUTH ASIA** ... Precipitation shifts to the south, benefiting cotton and groundnuts in the reproductive stages. Favorable weather continues for most rice areas.
- EASTERN ASIA** ... Heavy rain along the Yangtze River may be reducing cotton quality. Topsoil moisture is mostly favorable for winter wheat planting in the North China Plain.
- SOUTHEAST ASIA** ... Drier weather in Thailand benefits late corn harvesting and rice which is beginning to mature.
- CANADA** ... Showers fall over most of the Prairie grain belt, slowing the harvest in the north. Harvesting is nearly complete in the south where substantial rain is needed for soil moisture replenishment.
- SOUTH AMERICA** ... Beneficial showers fall over Argentina's wheat, improving conditions for vegetative growth. Showers also fall over Brazil's southern wheat in the grain filling stage. Lighter showers fall over maturing wheat in Parana, while more rain is needed in Sao Paulo for early corn planting.
- MEXICO** ... Tropical rains are unusually widespread across the southern half of Mexico and Central America. The moisture especially benefits immature crops in the southern Plateau corn belt. Drought continues in the north central region.
- AUSTRALIA** ... Showers fall over most wheat areas, keeping soils sufficiently moist for vegetative growth. Wheat is entering the heading stage in northern crop areas.



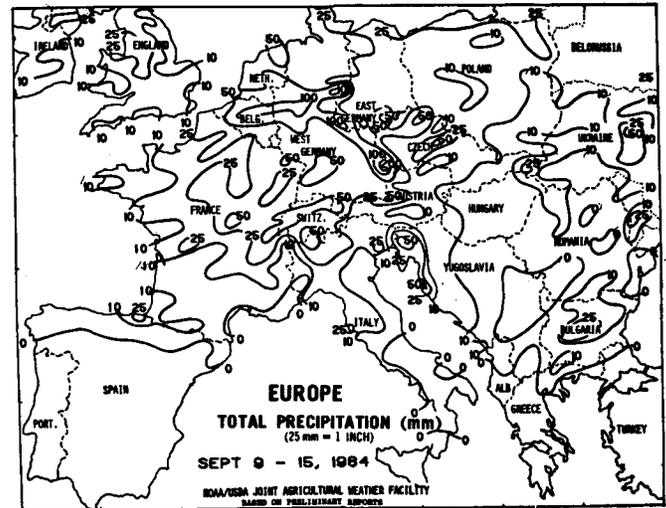
USSR...Light to moderate (10-25 mm) showers tinged across the north slowing late harvesting, but favoring winter grain establishment. The precipitation spread across the Baltic States, the Central Region, and Volga Vyatsk, with heaviest accumulations (up to 45 mm) in Belorussia. Mostly dry weather covered the eastern Ukraine and North Caucasus, favoring the maturing corn. Soil moisture in the eastern Ukraine and North Caucasus remains adequate for winter wheat planting. Light to moderate precipitation, with localized amounts up to 50 mm, fell at mid-week in the western Ukraine. The moisture was unfavorable for maturing corn, but improved conditions for winter wheat planting.



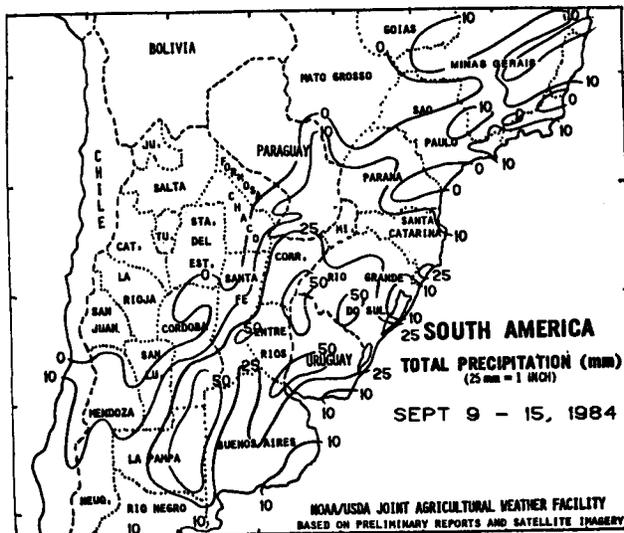
In the New Lands, wet and cool weather continued near the Ural Mountains, slowing spring wheat harvesting. The precipitation extended across the north with moderate accumulations (25-50 mm) in Western Siberia. Light to moderate showers around Tselinograd and Turgay also slowed harvesting. In the eastern grain region, little or no precipitation and above-normal temperatures favored spring grain harvesting.



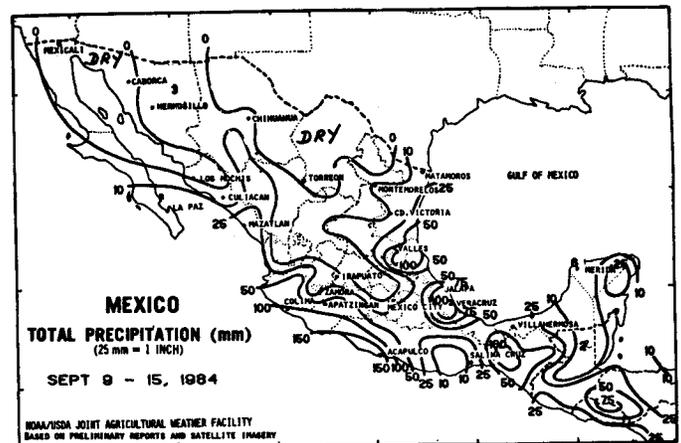
CANADA... Showers fell over most of the Prairie grain belt during the latter half of the week, delaying the harvests of spring wheat, barley, and rapeseed. The harvest is nearly complete in southern Alberta, the southern two-thirds of Saskatchewan, and most of Manitoba's crop area. In northern areas where persistent wetness hampered the harvest, widespread showers generally produced 8-25 mm of weekly rainfall. Heavier amounts (25-65 mm) fell over crop areas in central Alberta, southeastern Saskatchewan, and Manitoba. Chronically dry areas of southern Saskatchewan and southeastern Alberta received less than 10 mm of rain. While dry weather would benefit harvesting in the north, substantial rain is needed in southern portions of Saskatchewan and Alberta for replenishment of soil moisture reserves.



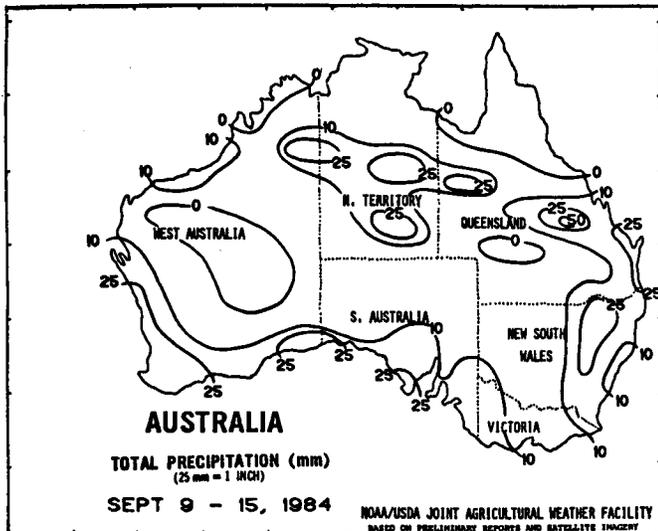
EUROPE... Significant showers (greater than 10 mm) fell over most of northern Europe while variable amounts fell to the south. Rain in England and much of Poland benefited winter grain planting. Locally heavy rain (50-100 mm) halted fieldwork in the Benelux countries and portions of West Germany. More rain (10-60 mm) over northern Italy and western Yugoslavia slowed corn maturation and delayed the small grain harvest. Light showers (less than 10 mm) over southern France caused few harvest delays as the corn matured throughout the area. Light showers also fell from southeastern Poland through Hungary, Romania, and eastern Yugoslavia, causing only minor harvest delays. Wet weather over much of Czechoslovakia slowed harvest progress.



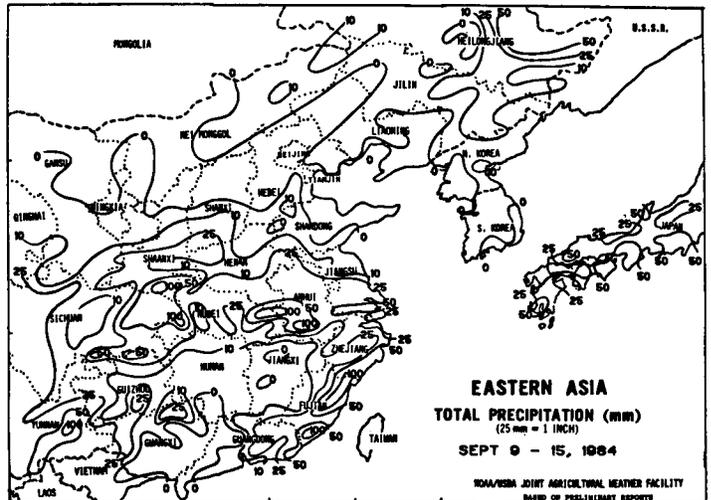
SOUTH AMERICA... Substantial rain (25-70 mm) extended from southern Rio Grande do Sul in Brazil, through Uruguay, and into Argentina's crop areas in Entre Rios, southern Santa Fe, extreme southeastern Cordoba, western La Pampa, and western and northern Buenos Aires. The remainder of Argentina's wheat generally received 10-20 mm of weekly rainfall. The recent moisture alleviated persistent dryness (which hampered planting and establishment of wheat) and will provide a much-needed boost for vegetative growth. In Brazil, light showers (less than 10 mm) fell over Parana's wheat, where the crop is maturing. Further south, moisture is adequate for wheat in the grain filling stage in Santa Catarina and Rio Grande do Sul. Showers in Minas Gerais improved conditions for early corn planting, but additional moisture is needed in Sao Paulo.



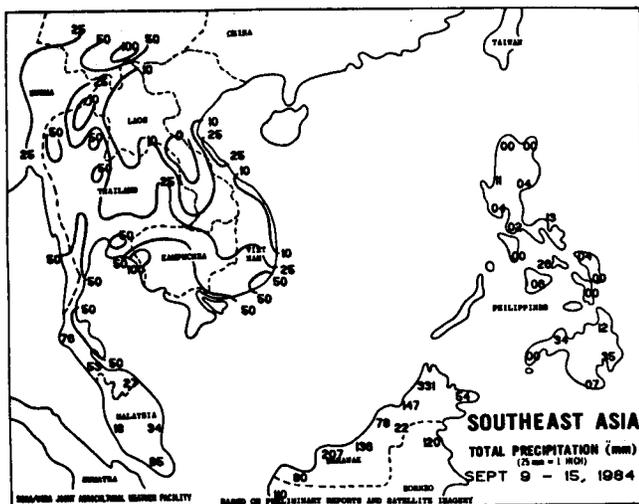
MEXICO... Unusual tropical weather persisted over half of the Nation. Tropical Storm Edouard developed in the southwestern Gulf of Mexico, Hurricane Norbert formed offshore of the southwestern Pacific coast, and Tropical Storm Marie decayed off the upper Baja California coast. These systems triggered heavy rains into eastern and southern fringes of the Southern Plateau corn belt. However, most of the corn belt had moderate rains, and the moisture should especially benefit the immature late crops. Torrential rains of over 150 mm were dumped on the southwestern coast. It was also abnormally rainy over most other southern sections, and the rain pattern extended into Central America. The major west coast soybean area had generally sunny, dry weather, but showers developed southward of Culiacan. The drought continued over the north central region, stressing rangeland vegetation and livestock.



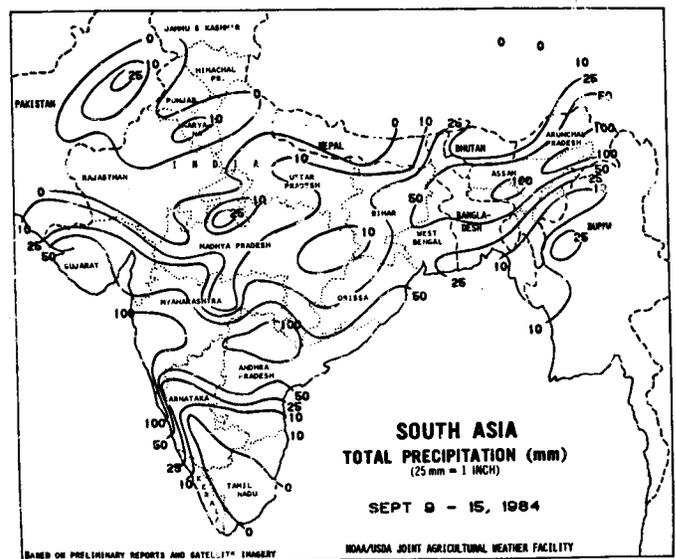
AUSTRALIA...Showers fell over most wheat during the week, maintaining adequate moisture for vegetative growth. The rain over northern New South Wales and southeastern Queensland was especially beneficial for wheat, which is entering the heading stage of development. Weekly rainfall averaged about 25 mm. Weekly amounts ranged from about 10-35 mm in most other wheat areas, keeping topsoils moist for growth. However, less than 5 mm of rain fell this week on western New South Wales and eastern Victoria wheat areas. Sufficient moisture is available for vegetative growth in this area, but additional rain will be needed during the next several weeks as the crop progresses through heading into the grain filling period. Unusually heavy showers fell over the Northern Territory benefiting rangelands.



EASTERN ASIA...Early in the week, a band of moderate to heavy precipitation (25-140 mm) fell across Jiangsu, Anhui, and Hubei. The moisture was unfavorable for harvesting cotton and intermediate rice. Dry weather followed, favoring maturing cotton, corn, and soybeans in the North China Plain. Topsoil moisture is favorable in most of the winter wheat region, but precipitation would improve conditions in Hebei. Winter wheat planting normally begins in early to mid-September. Mostly dry weather in Manchuria favored corn and soybean harvesting. Heavy rain in Fujian may have caused localized flood damage, but lighter rain favored late double-cropped rice in the filling stage. Dry weather in Guangxi was beneficial, following heavy rain last week from Tropical Storm Ike. Dry weather also benefited maturing rice in Korea, following several weeks of heavy rain.



SOUTHEAST ASIA. Precipitation decreased over much of Indochina this week. Light to moderate rain (10-25 mm) fell in eastern Thailand while the west received slightly heavier amounts. The drier weather favored late corn harvesting in central Thailand. Rice is in the late filling and maturing stages, and has benefited from near-normal seasonal rainfall in most areas. Monsoon precipitation normally reaches its peak in September and decreases rapidly in October. Scattered, moderate rain fell in the Philippines. Heaviest amounts were in central Luzon, favoring lowland rice but slowing harvesting of upland rice.



SOUTH ASIA...A shift in the rain distribution occurred this week, with most of the monsoon activity in peninsular India. Relatively dry weather covered most of the north, following moderate to heavy precipitation during the last several weeks. The earlier moisture favored autumn rice in the filling stage, and the recent drier conditions benefited maturing rice. Monsoon rain normally begins to withdraw from Punjab and Rajasthan in mid-September, while rain usually

(continued on back cover)



**WEEKLY NEWS BULLETIN
SECOND CLASS**

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September Crop Production Highlights

CORN FOR GRAIN production forecast at 7.55 billion bushels, is down 2 percent from the August 1 forecast but 81 percent above last year's drought-stricken crop. A crop of this size is 8 percent below the record high crop of 1982. The 90 percent confidence interval for this production is 6.89 to 8.22 billion bushels.

SORGHUM GRAIN production is forecast at 817 million bushels, down one-half of one percent from August 1 but up 70 percent from last year.

FEED GRAIN production (corn, sorghum, oats, and barley combined) is expected to total 233 million metric tons, up 71 percent from 1983 but down 7 percent from 1982.

SOYBEAN production is forecast at 2.03 billion bushels, 29 percent larger than the 1983 crop but 7 percent smaller than 1982. The 90 percent confidence interval for this production forecast is 1.88 to 2.18 billion bushels.

ALL WHEAT production is forecast at 2.57 billion bushels, 6 percent above 1983 but 7 percent below the 1982 total. The 90 percent confidence interval for this production forecast is 2.51 to 2.63 billion bushels. Winter wheat production is placed at 2.04 billion bushels, up 2 percent from last year. Other spring wheat production is forecast at 430 million bushels, 20 percent more than 1983. Durum wheat is set at 105 million bushels, 44 percent above last year's crop.

FOOD GRAIN production (wheat, rice, and rye) now totals 76.9 million metric tons in 1984, up 8 percent from last year.

ALL COTTON production is forecast at 13.3 million bales, 71 percent above last year and 11 percent more than 1982 production. The 90 percent confidence interval for this production forecast is 11.6 to 14.9 million bales.

ALL TOBACCO production is forecast at 1.74 billion pounds, 22 percent above the 1.43 billion pounds produced in 1983 and 3 percent above the August 1 forecast.

PEANUT production is estimated at a record high 4.25 billion pounds, 29 percent above 1983 and up fractionally from last month.

(continued from p. 23)

continues as far north as Uttar Pradesh and Madhya Pradesh until early October. Precipitation significantly increased in northern Andhra Pradesh and Maharashtra this week. Recent moisture, following a prolonged dry period, benefited cotton in the flowering stage and groundnuts in the pod formation stage. Moderate to heavy rain in the east favored winter rice in the heading stage.

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U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Weather Service/Climate Analysis Center
Managing Editor Don Haddock
Meteorologists Lyle Denny,
Ray McInturff, Jim Williams, Wes Byrd,
Dave Elson, and Joe Harrison

Subscriptions (202) 447-7917 . . Cheryl Caleco
Elvia Fant

U.S. DEPARTMENT OF AGRICULTURE
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