

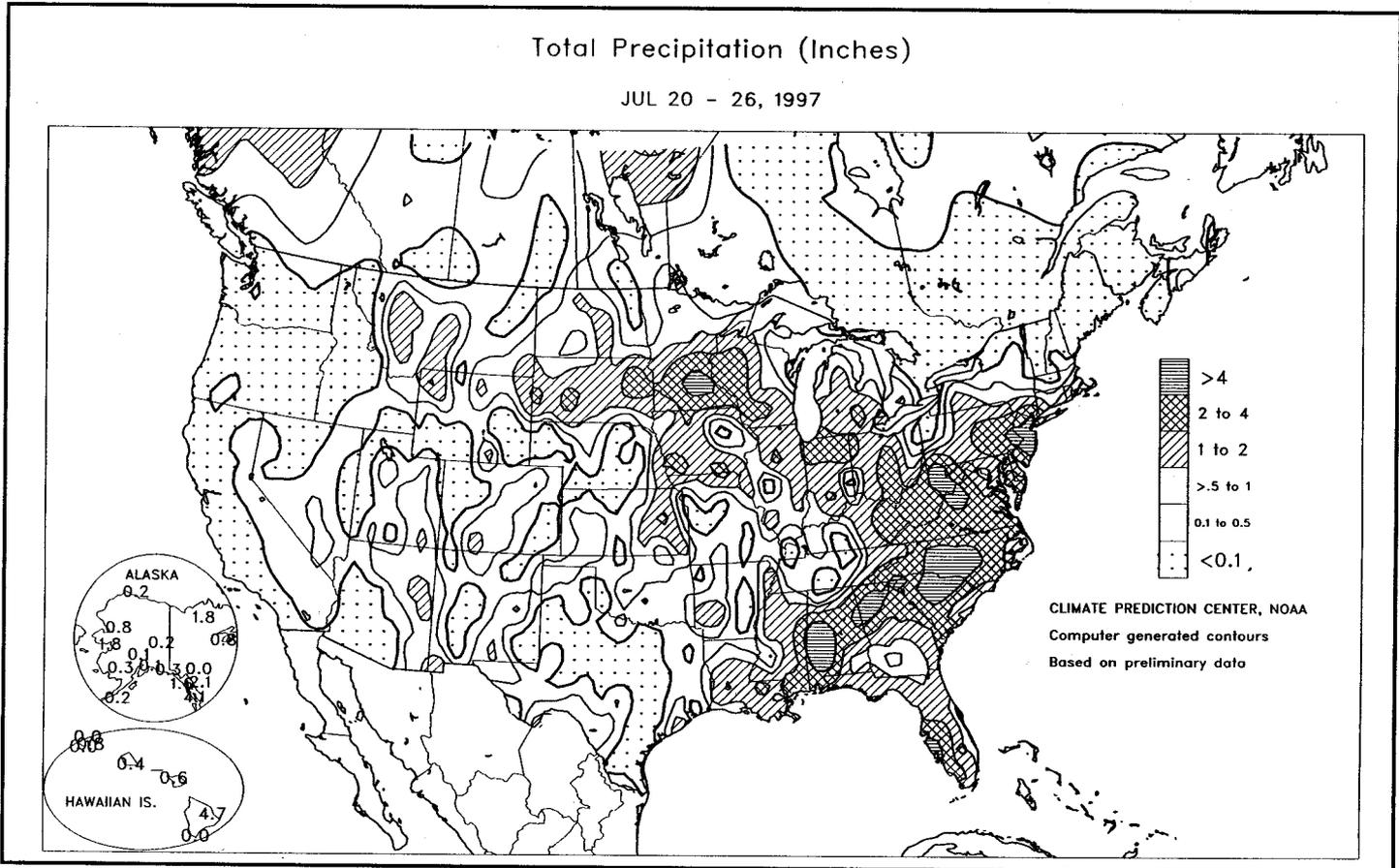
WEEKLY WEATHER AND CROP BULLETIN

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

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

Total Precipitation (Inches)

JUL 20 - 26, 1997



CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary data

HIGHLIGHTS

July 20 - 26, 1997

Hurricane Danny's remnants and a slow-moving front combined to produce torrential rainfall across parts of the Southeastern and Middle Atlantic States. Danny re-emerged as a tropical storm after exiting southeastern Virginia, eventually brushing the coastal Northeast. The front also delivered scattered showers to dry areas of the Corn Belt, but failed to dent 2-month moisture deficits from northern Missouri to central Indiana. Late in the week, temperatures soared into the middle to upper 90's across the Midwest, stressing reproductive corn and soybeans. For the week, temperatures averaged 3 to 5°F above normal from Nebraska and eastern Kansas to Kentucky and Tennessee.

(Continued on page 3)

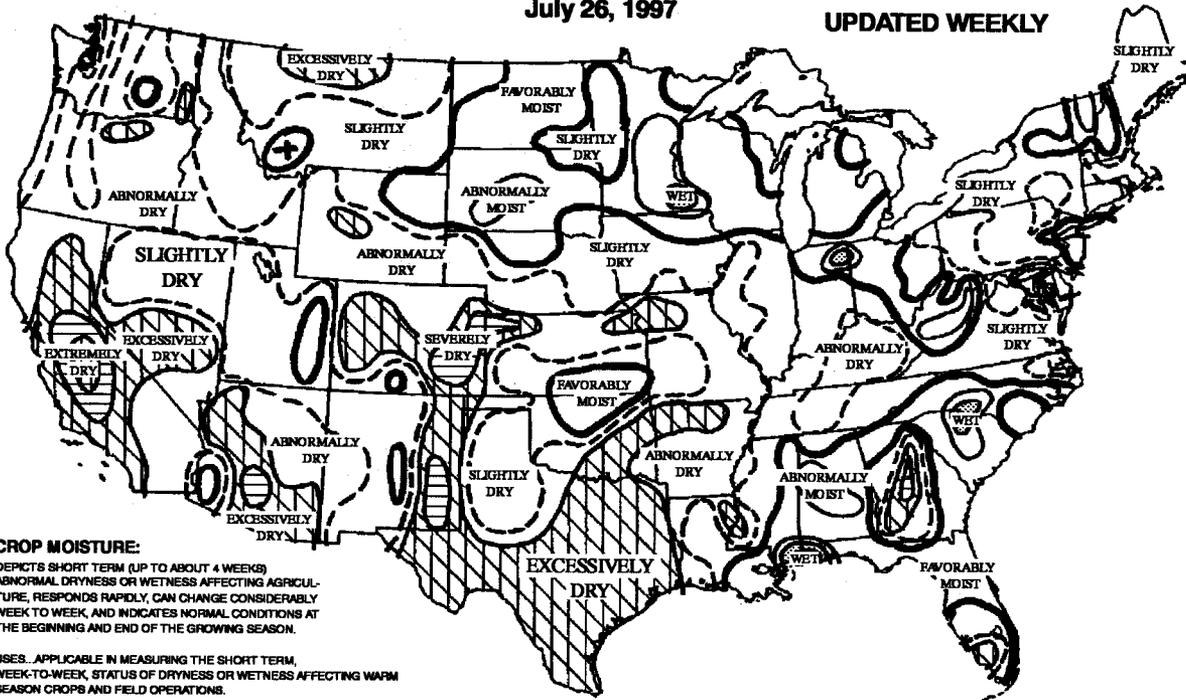
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CROP MOISTURE
(SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE)

July 26, 1997

UPDATED WEEKLY



CROP MOISTURE:

DEPICTS SHORT TERM (UP TO ABOUT 4 WEEKS) ABNORMAL DRYNESS OR WETNESS AFFECTING AGRICULTURE. RESPONDS RAPIDLY, CAN CHANGE CONSIDERABLY WEEK TO WEEK, AND INDICATES NORMAL CONDITIONS AT THE BEGINNING AND END OF THE GROWING SEASON.

USES... APPLICABLE IN MEASURING THE SHORT TERM, WEEK-TO-WEEK, STATUS OF DRYNESS OR WETNESS AFFECTING WARM SEASON CROPS AND FIELD OPERATIONS.

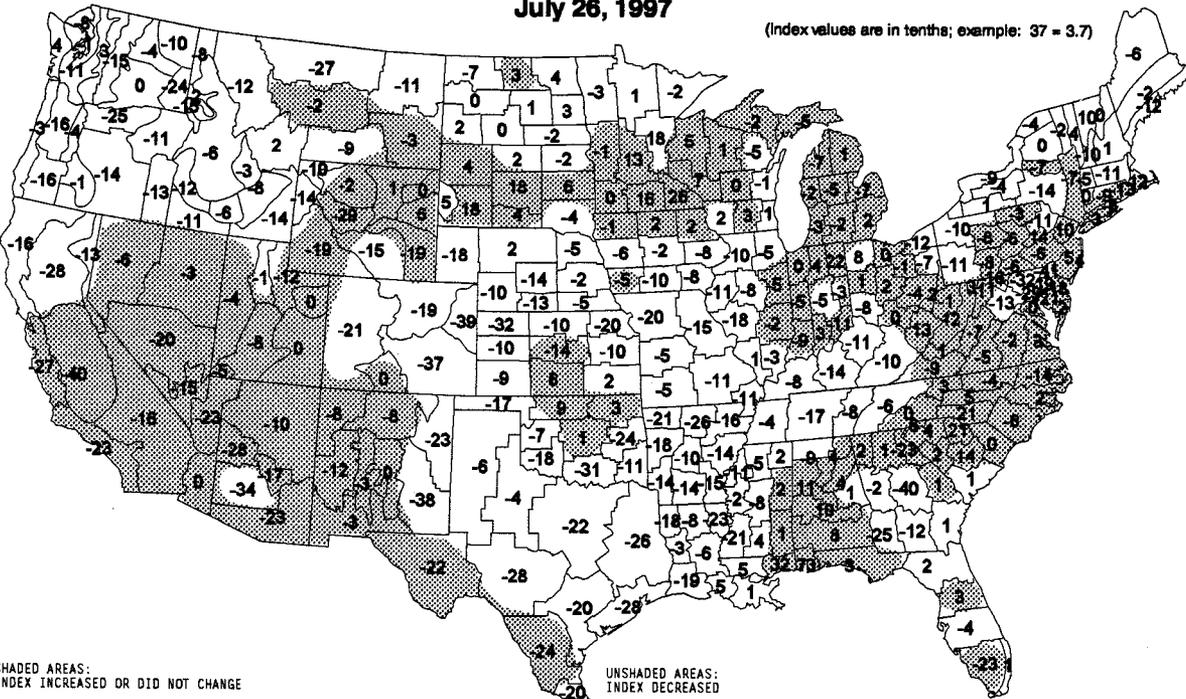
LIMITATIONS... MAY NOT BE APPLICABLE TO GERMINATING AND SHALLOW ROOTED CROPS WHICH ARE UNABLE TO EXTRACT THE DEEP OR SUBSOIL MOISTURE FROM A 5-FOOT PROFILE, OR FOR COOL SEASON CROPS GROWING WHEN TEMPERATURES ARE AVERAGING BELOW ABOUT 55 F. IT IS NOT GENERALLY INDICATIVE OF THE LONG TERM (MONTHS, YEARS) DROUGHT OR WET SPELLS WHICH ARE DEPICTED BY THE DROUGHT SEVERITY INDEX.

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY Based on preliminary reports

CROP MOISTURE INDEX
(SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE)

July 26, 1997

(index values are in tenths; example: 37 = 3.7)



SHADED AREAS:
INDEX INCREASED OR DID NOT CHANGE

UNSHADED AREAS:
INDEX DECREASED

ABOVE 3 EXCESSIVELY WET; SOME FIELDS FLOODED
 2 TO 3 TOO WET; SOME STANDING WATER
 1 TO 2 SOME FIELDS TOO WET; PROSPECTS ABOVE NORMAL
 0 TO 1 MOISTURE ADEQUATE FOR PRESENT CROP NEEDS
 0 TO -1 PROSPECTS IMPROVED BUT RAIN STILL NEEDED
 -1 TO -2 SOME IMPROVEMENT BUT STILL ABNORMALLY DRY
 -2 TO -3 DRYNESS EASED BUT FIELDS STILL EXCESSIVELY DRY
 -3 TO -4 SEVERE DRYNESS CONTINUES; MORE RAIN URGENTLY NEEDED
 BELOW -4 NOT ENOUGH RAIN; STILL EXTREMELY DRY

ABOVE 3 SOME DRYING BUT STILL EXCESSIVELY WET
 2 TO 3 MORE DRY WEATHER NEEDED; WORK DELAYED
 1 TO 2 FAVORABLE EXCEPT STILL TOO WET IN SPOTS
 0 TO 1 FAVORABLE FOR NORMAL GROWTH AND FIELDWORK
 0 TO -1 TOPSOIL MOISTURE SHORT; GERMINATION SLOW
 -1 TO -2 ABNORMALLY DRY; PROSPECTS DETERIORATING
 -2 TO -3 EXCESSIVELY DRY; YIELD PROSPECTS REDUCED
 -3 TO -4 POTENTIAL YIELDS SEVERELY CUT BY DRYNESS
 BELOW -4 EXTREMELY DRY; MOST CROPS RUINED

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY Based on preliminary reports

(Continued from front cover)

and 3 to 6°F below normal across the Northeast. In the central Plains, highs regularly topped 100°F. In the Southwest, monsoonal moisture held temperatures up to 6°F below normal.

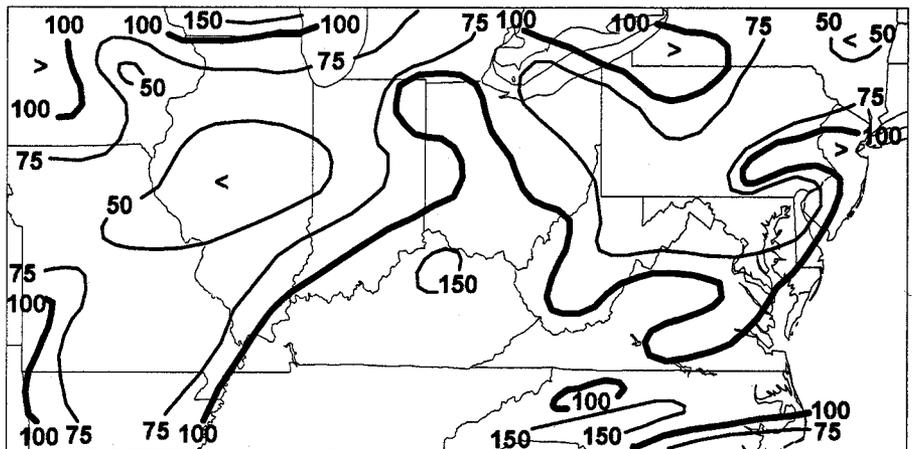
Early in the week, the moisture-laden, remnant circulation of Hurricane Danny drifted northward into north-central Alabama. The low-pressure system then turned eastward, reaching southeastern Virginia on Thursday. Danny regained tropical-storm strength after reaching the Atlantic Ocean, drenching the northern Middle Atlantic coastal region and brushing Cape Cod with tropical-storm-force winds into Friday.

Heavy rainfall also preceded Danny's arrival in parts of the Middle Atlantic region, easing recent dryness but causing locally serious flooding. In South Carolina, 24-hour totals on July 23-24 reached 5.70 inches in Camden and 5.55 inches in Union. In Badin, NC, near Charlotte, 10.30 inches fell during a 48-hour period ending Thursday morning. Charlotte collected 6.88 inches on July 23, an all-time, 24-hour record, breaking their mark of 5.46 inches set on October 10-11, 1990. Winds intensified as Danny approached the coast, gusting to 61 mph at Virginia's Langley Air Force Base and 58 mph in Elizabeth City, NC. Rainfall on Thursday totaled 3.75 inches in New York's Central Park and 3.54 inches in Newark, NJ, setting single-day records for July. Downtown Atlantic City, NJ netted 6.09 inches. Despite the rain, dryness lingered in some areas from northern Virginia to eastern New York.

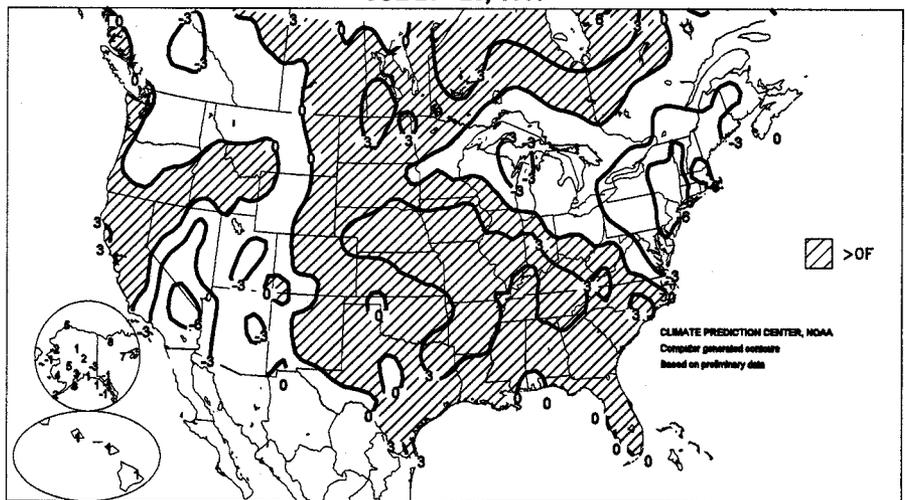
Cool weather cloaked the Nation's northeastern quadrant for much of the week. In Maine, Caribou notched consecutive daily-record lows (42 and 45°F) on July 23-24. Saranac Lake, NY registered 35°F on Wednesday. In Pennsylvania, Philadelphia's high of 65°F on Thursday was their lowest in July since 1892. Farther west, however, heat prevailed over the Central States for much of the week, spreading into the Midwest at week's end. On Saturday, WaKeeney, KS noted a daily-record high of 102°F, while farther north, maxima soared to 98°F in Moline, IL and 97°F in Cedar Rapids, IA. Heat and dryness also intensified on the southern Plains, where Waco, TX logged their first 100-degree day of the year on Wednesday. From July 1-26, only a trace of rain fell in such Texas locations as Brownsville, Austin, and San Antonio.

Since June 1, rainfall averaged less than 50 percent of normal in a broad belt from central Missouri to west-central Indiana. Just to the north, however, heavy rain has fallen. Minneapolis, MN, set their third daily-rainfall record of the month on Tuesday, measuring 2.69 inches. By week's end, Minneapolis' monthly rainfall reached 12.48 inches, 420 percent of normal. As far south as Des Moines, IA, 4.45 inches fell on Thursday, a daily-record total.

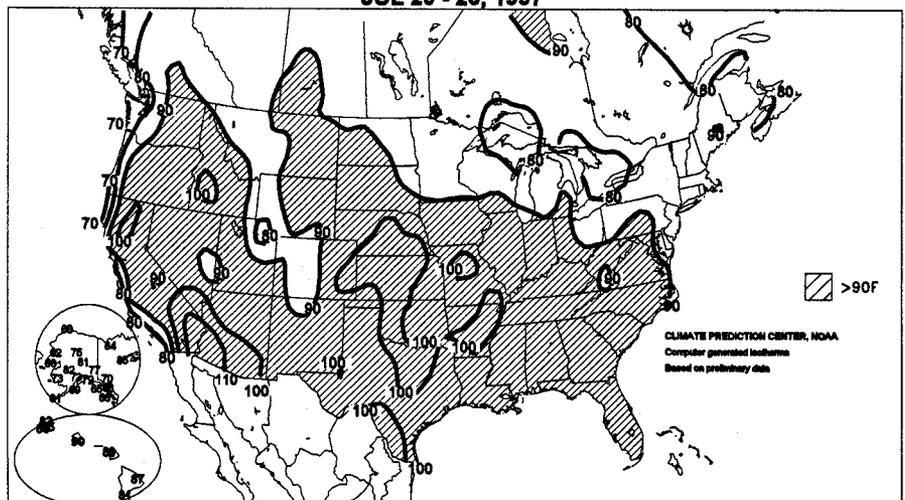
Percent of Normal Precipitation June 1 - July 24, 1997



Departure of Average Temperature from Normal JUL 20 - 26, 1997



Extreme Maximum Temperature (F) JUL 20 - 26, 1997



National Weather Data for Selected Cities

Weather Data for the Week Ending July 26, 1997

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 JUN 1	PCT. NORMAL SINCE JUN 1	TOTAL IN, SINCE JUN 1	PCT. NORMAL SINCE JUN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP, °F		PRECIP.	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	90	72	94	69	81	1	2.81	1.41	0.67	9.97	122	33.81	99	96	61	6	0	2	1
AL HUNTSVILLE	92	72	96	69	82	3	0.33	-0.76	0.33	7.19	87	33.76	97	92	60	6	0	1	0
AL MOBILE	89	73	93	72	81	-1	2.18	0.56	1.21	26.69	249	57.92	154	95	68	6	0	5	2
AL MONTGOMERY	90	73	95	70	82	0	0.61	-0.56	0.32	5.48	66	29.30	88	96	61	4	0	3	0
AK ANCHORAGE	68	56	73	54	62	3	0.08	-0.36	0.05	1.92	76	3.93	63	91	64	0	0	2	0
AK BARROW	52	38	80	35	46	5	0.19	-0.05	0.12	1.13	109	1.37	77	96	76	0	0	3	0
AK FAIRBANKS	74	54	81	52	64	2	0.22	-0.22	0.21	1.37	47	2.12	41	91	60	0	0	2	0
AK JUNEAU	60	51	68	46	56	-1	-	-	-	-	-	-	97	82	0	0	0	-	-
AK KODIAK	64	51	69	45	58	2	1.06	0.23	0.62	3.04	39	35.76	103	93	75	0	0	2	1
AK NOME	56	45	66	37	51	-1	1.77	1.23	1.48	2.04	71	6.10	99	94	78	0	0	4	1
AZ FLAGSTAFF	79	50	85	43	64	-3	0.14	-0.57	0.07	0.40	15	6.59	57	81	30	0	0	3	0
AZ PHOENIX	103	84	111	80	93	-1	0.00	-0.22	0.00	0.00	0	1.70	50	43	20	7	0	0	0
AZ PRESCOTT	87	61	93	55	74	1	0.21	-0.62	0.19	0.36	12	4.69	50	66	24	2	0	2	0
AZ TUCSON	95	76	106	68	86	-1	0.06	-0.55	0.06	0.16	7	2.69	55	56	26	5	0	1	0
AZ YUMA	103	80	110	77	91	-3	0.00	-0.08	0.00	0.02	10	0.57	48	53	28	7	0	0	0
AR FORT SMITH	99	74	100	73	86	4	0.03	-0.63	0.03	6.74	114	23.20	98	93	45	7	0	1	0
AR LITTLE ROCK	99	78	100	72	86	6	0.78	-0.05	0.00	8.36	138	35.46	126	87	42	7	0	0	0
CA BAKERSFIELD	96	71	100	67	83	-1	0.00	0.00	0.00	0.00	0	2.99	78	62	35	7	0	0	0
CA EUREKA	65	53	67	50	59	2	0.00	-0.03	0.00	1.26	207	19.33	92	86	62	0	0	0	0
CA FRESNO	96	70	101	66	83	1	0.00	0.00	0.00	0.00	0	3.51	51	60	24	6	0	0	0
CA LOS ANGELES	72	64	74	63	68	-1	0.00	0.00	0.00	0.02	-	4.24	55	66	68	0	0	0	0
CA REDDING	100	66	103	63	83	1	0.00	-0.03	0.00	1.56	226	16.58	88	68	21	7	0	0	0
CA SACRAMENTO	96	66	100	61	80	-2	0.00	-	0.00	0.61	-	9.26	66	25	6	0	0	0	0
CA SAN DIEGO	72	66	75	64	69	-2	0.00	0.00	0.00	0.00	0	3.54	57	79	66	0	0	0	0
CA SAN FRANCISCO	72	56	74	54	64	1	0.00	0.00	0.00	0.28	233	8.82	72	93	82	0	0	0	0
CA ALAMOSA	81	48	87	44	64	-1	0.18	-0.10	0.15	1.00	81	3.23	86	92	31	0	0	2	0
CA CO. SPRINGS	86	59	91	54	73	1	0.07	-0.62	0.05	6.14	132	11.41	119	79	31	2	0	2	0
CA DENVER	90	59	97	55	75	1	0.85	0.42	0.57	3.99	117	7.73	78	81	25	4	0	3	1
CA GRAND JUNCTION	93	61	98	53	77	-2	0.00	-0.17	0.00	0.36	34	5.24	114	64	23	6	0	0	0
CA PUEBLO	95	60	98	57	78	0	0.35	-0.15	0.17	3.21	108	6.89	106	80	21	6	0	3	0
CT BRIDGEPORT	77	60	85	56	68	-6	2.52	1.67	1.52	5.67	86	22.08	91	89	56	0	0	4	2
CT HARTFORD	79	57	89	52	68	-8	0.74	0.02	0.44	5.76	90	19.70	80	92	48	0	0	4	0
DC WASHINGTON	83	68	90	65	75	-5	0.51	-0.37	0.32	3.93	80	18.99	98	87	82	1	0	2	0
DE WILMINGTON	78	62	86	58	70	-7	2.78	1.82	1.39	4.81	68	14.26	80	89	60	0	0	3	3
FL DAYTONA BEACH	92	72	94	70	82	1	1.67	0.46	1.67	10.88	103	22.74	91	98	61	7	0	1	1
FL JACKSONVILLE	92	75	94	72	83	2	1.48	0.18	1.08	12.71	124	26.77	97	95	59	7	0	6	1
FL KEY WEST	89	79	90	76	84	-1	2.10	1.31	1.66	11.87	144	21.04	112	83	65	3	0	4	1
FL MIAMI	90	79	91	74	84	2	0.58	-0.61	0.31	20.73	147	41.01	138	89	64	5	0	5	0
FL ORLANDO	92	74	94	72	83	0	2.20	0.59	1.39	14.10	105	28.27	103	97	58	7	0	4	2
FL TAMPA	90	77	92	74	83	0	1.07	-0.47	0.77	7.95	72	23.13	100	90	66	4	0	4	1
FL VALPARAISO/EGLIN	89	78	93	77	83	2	1.20	-0.66	0.78	10.83	82	38.61	107	97	70	3	0	4	1
FL WEST PALM BEACH	90	78	91	74	84	1	1.13	-0.17	0.99	14.41	108	34.89	110	90	63	6	0	3	1
GA ATHENS	89	72	94	71	81	1	1.89	0.78	1.54	8.05	100	27.35	89	97	63	4	0	3	1
GA ATLANTA	88	73	90	71	80	1	2.69	1.54	1.34	8.31	107	30.71	97	96	80	1	0	4	2
GA AUGUSTA	93	72	94	69	82	1	1.53	0.56	1.33	7.89	103	23.63	85	98	58	7	0	4	1
GA COLUMBUS	91	77	94	73	83	1	0.84	-0.62	0.39	9.96	114	32.41	100	92	67	4	0	3	0
GA MACON	92	73	95	69	83	1	0.06	-0.92	0.04	2.21	31	21.38	78	96	55	6	0	2	0
GA SAVANNAH	91	74	94	71	83	0	1.79	0.29	1.65	12.78	117	26.00	91	97	63	6	0	2	1
HI HILO	84	70	87	67	77	1	4.70	2.37	1.22	37.29	292	83.47	114	91	59	0	0	7	4
HI HONOLULU	88	75	90	74	82	1	0.40	0.26	0.28	0.92	92	15.32	132	81	51	2	0	2	0
HI KAHULUI	87	72	89	65	80	1	-	-	-	-	-	-	-	85	57	0	0	-	-
HI LIHUE	85	75	85	73	79	0	-	-	-	-	-	-	-	86	69	0	0	-	-
ID BOISE	94	61	101	56	77	2	0.00	-0.06	0.00	1.62	146	8.04	111	61	18	7	0	0	0
ID LEWISTON	89	58	100	53	73	-2	0.02	-0.12	0.02	2.04	111	10.69	142	69	24	2	0	1	0
ID POCATELLO	88	54	93	46	71	-1	0.07	-0.07	0.07	2.43	155	7.15	98	84	28	2	0	1	0
IL CHICAGO/O'HARE	83	66	97	61	74	1	0.63	-0.20	0.52	4.04	59	15.62	81	92	64	1	0	4	1
IL MOLINE	87	69	98	62	78	2	0.57	-0.55	0.51	4.33	51	18.14	81	96	67	3	0	3	1
IL PEORIA	88	70	99	62	79	3	0.58	-0.34	0.57	2.18	29	14.93	71	95	64	3	0	2	1
IL ROCKFORD	83	65	95	58	74	0	0.51	-0.40	0.38	6.39	80	19.38	96	93	66	1	0	3	0
IL SPRINGFIELD	89	71	96	63	80	3	0.04	-0.76	0.02	2.28	36	12.04	60	97	65	3	0	2	0
IN EVANSVILLE	90	70	96	67	80	1	0.01	-0.90	0.01	5.60	81	30.84	118	98	59	4	0	1	0
IN FORT WAYNE	80	64	93	55	72	-2	3.36	2.59	1.70	8.69	135	24.95	125	96	69	1	0	4	2
IN INDIANAPOLIS	89	69	97	65	79	3	0.08	-0.94	0.06	3.93	50	22.56	96	94	58	3	0	2	0
IN SOUTH BEND	83	67	95	63	75	2	0.25	-0.60	0.15	4.40	60	16.45	76	89	61	1	0	3	0
IA BURLINGTON	-	-	-	-	-	-	-	-	-	4.88	64	18.52	92	-	-	-	-	-	-
IA CEDAR RAPIDS	87	70	97	66	78	4	0.00	-0.91	0.00	3.84	48	15.38	80	94	64	3	0	0	0
IA DES MOINES	88	72	96	67	80	3	2.17	1.33	1.16	7.93	104	17.85	94	94	66	2	0	5	2
IA DUBUQUE	82	66	92	60	74	1	1.30	0.38	1.16	8.14	109	19.19	92	97	71	1	0	5	1
IA SIOUX CITY	88	71	95	63	80	3	0.34	-0.38	0.22	5.04	78	12.59	80	94	64	3	0	2	0
IA WATERLOO	86	69	96	64	77	4	0.16	-0.91	0.08	7.09	83	16.69	83	95	65	3	0	3	0
KS CONCORDIA	94	73	102	67	83	3	1.39	0.59	1.35	5.08	67	12.05	68	87	47	5	0	2	1
KS DODGE CITY	95	69	99	65	82	1	0.01	-0.70	0.01	6.64	114	12.92	95	93	36	6	0	1	0
KS GOODLAND	95	62	100	55	79	2	0.05	-0.56	0.05	3.45	61	7.20	58	84	29	6	0	1	0
KS TOPEKA	83	73	99	66	83	4	0.37	-0.37	0.37	5.04	69	16.73	81	91	52	5	0	1	0

Based on 1961-90 normals

Weather Data for the Week Ending July 26, 1997

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 Jan 1	PCT. NORMAL SINCE Jan 1	TOTAL IN, SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	92 AND BELOW	TEMP, °F		PRECIP.	
																		01 INCH OR MORE	.50 INCH OR MORE		
KY WICHITA	93	72	97	67	83	1	1.88	1.22	1.88	9.17	131	20.74	119	92	48	5	0	1	1		
KY JACKSON	86	69	92	67	77	3	2.16	0.99	1.42	11.44	133	33.68	114	97	67	1	0	3	1		
KY LEXINGTON	88	69	96	67	79	3	2.82	1.47	2.29	12.33	157	45.06	169	91	54	3	0	3	1		
KY LOUISVILLE	91	73	98	71	82	4	0.58	-0.46	0.31	9.40	129	43.37	161	84	53	5	0	2	0		
LA PADUCAH	93	72	98	69	83	3	0.00	-0.93	0.00	8.98	118	37.31	126	96	52	7	0	0	0		
LA BATON ROUGE	93	74	94	71	84	1	0.80	-0.79	0.41	11.13	110	45.16	127	94	59	7	0	3	0		
LA LAKE CHARLES	93	75	96	73	84	2	1.46	0.27	0.84	5.06	54	38.06	128	96	57	7	0	3	1		
LA NEW ORLEANS	92	76	95	74	84	2	0.30	-1.08	0.20	9.68	88	33.61	93	99	55	8	0	2	0		
LA SHREVEPORT	96	74	98	73	85	2	0.18	-0.60	0.16	7.09	96	43.55	157	92	51	7	0	2	0		
ME CARIBOU	75	48	88	42	61	-4	0.02	-0.93	0.02	6.03	97	20.16	109	89	41	0	0	1	0		
ME PORTLAND	77	53	89	49	65	-4	0.00	-0.69	0.00	2.80	46	19.06	78	91	46	0	0	0	0		
MD BALTIMORE	82	65	91	63	73	-4	0.48	-0.38	0.35	4.08	60	20.23	88	91	61	1	0	2	0		
MA BOSTON	74	59	84	56	67	-7	0.19	-0.45	0.13	1.96	38	15.74	68	84	51	0	0	3	0		
MA WORCESTER	73	55	83	50	64	-6	0.10	-0.78	0.05	4.15	58	21.40	81	87	49	0	0	4	0		
MI ALPENA	77	52	84	43	64	-3	0.39	-0.28	0.28	3.26	59	16.31	105	93	53	0	0	3	0		
MI GRAND RAPIDS	81	61	90	56	71	-1	0.51	-0.21	0.51	4.76	75	17.67	94	92	63	1	0	1	1		
MI HOUGHTON LAKE	79	51	86	44	65	-3	2.34	1.75	1.16	4.96	96	15.46	108	98	53	0	0	3	2		
MI LANSING	80	58	84	47	68	-3	0.88	0.34	0.88	3.58	62	15.60	95	92	56	0	0	1	1		
MI MARQUETTE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0		
MI MUSKEGON	80	60	84	56	70	-1	1.09	0.59	0.65	5.02	124	15.38	97	89	62	0	0	5	1		
MN DULUTH	72	56	79	52	64	-3	0.01	-0.80	0.01	7.34	107	13.17	82	94	76	0	0	1	0		
MN INTL FALLS	80	58	88	47	69	1	0.30	-0.48	0.29	5.21	74	10.05	74	96	60	0	0	2	0		
MN MINNEAPOLIS	80	67	88	62	74	0	3.82	3.05	2.70	16.17	230	21.92	132	94	74	0	0	6	1		
MN ROCHESTER	80	66	87	62	73	2	3.13	2.17	1.27	11.32	156	20.81	126	96	76	0	0	5	3		
MN ST. CLOUD	78	64	88	59	71	1	2.28	1.61	1.50	9.48	132	14.56	94	96	71	0	0	4	2		
MS JACKSON	95	74	97	72	84	2	0.00	-1.05	0.00	9.47	137	37.46	112	99	57	7	0	0	0		
MS MERIDIAN	91	73	94	72	82	1	1.69	0.52	0.86	7.99	99	38.53	109	99	67	6	0	6	1		
MS TUPELO	92	73	94	71	83	2	1.02	0.06	1.00	14.91	199	45.31	133	97	57	7	0	2	1		
MO COLUMBIA	84	71	100	67	82	4	0.36	-0.44	0.36	3.63	49	21.15	93	95	51	6	0	1	0		
MO KANSAS CITY	93	72	98	70	83	4	0.00	-0.96	0.00	4.89	58	18.35	86	93	54	5	0	0	0		
MO SAINT LOUIS	93	75	99	72	84	4	0.00	-0.85	0.00	2.15	31	17.54	80	88	51	5	0	0	0		
MO SPRINGFIELD	93	71	95	67	82	3	0.00	-0.59	0.00	4.39	58	21.05	86	93	48	6	0	0	0		
MT BILLINGS	85	61	92	56	73	-1	0.02	-0.16	0.02	4.01	143	8.09	82	80	43	2	0	1	0		
MT BUTTE	83	47	90	43	65	1	2.30	2.05	2.24	8.82	273	16.96	220	92	26	1	0	2	1		
MT GLASGOW	85	60	94	56	72	1	0.32	-0.04	0.19	4.04	113	7.49	106	81	31	1	0	2	0		
MT GREAT FALLS	83	51	88	45	67	-2	1.19	0.94	1.19	5.14	149	10.10	102	84	31	0	0	1	1		
MT KALISPELL	80	47	84	41	63	-1	0.15	-0.07	0.13	4.31	136	12.75	131	95	32	0	0	2	0		
MT MILES CITY	90	64	97	60	77	2	0.04	-0.25	0.04	4.66	113	8.20	87	76	30	5	0	1	0		
MT MISSOULA	84	50	88	44	67	-1	0.05	-0.14	0.05	3.53	137	10.97	132	86	29	0	0	1	0		
NE GRAND ISLAND	94	69	100	64	82	5	0.00	-0.61	0.00	4.63	73	10.85	69	89	41	5	0	0	0		
NE LINCOLN	95	73	103	69	84	6	0.00	-0.72	0.00	6.10	92	13.40	81	86	48	6	0	0	0		
NE NORFOLK	90	70	96	62	80	4	0.16	-0.51	0.16	4.87	65	12.11	74	92	55	4	0	1	0		
NE NORTH PLATTE	93	64	99	63	79	4	0.26	-0.38	0.26	5.40	90	8.08	60	92	44	5	0	2	0		
NE OMAHA	91	73	98	69	82	5	1.34	0.57	0.66	6.28	92	12.53	71	91	55	3	0	3	1		
NE SCOTTSBLUFF	90	62	95	58	76	1	0.00	-0.42	0.00	3.95	87	13.87	128	93	39	5	0	0	0		
NE VALENTINE	92	65	98	63	78	3	0.89	0.21	0.38	6.95	127	13.60	113	93	43	5	0	5	0		
NV ELY	86	49	90	44	67	-1	0.02	-0.15	0.02	1.95	130	5.61	94	81	15	1	0	1	0		
NV LAS VEGAS	97	74	105	70	86	-6	0.39	0.30	0.25	0.39	100	0.83	28	41	19	6	0	2	0		
NV RENO	89	57	97	52	73	1	0.02	-0.04	0.02	1.20	174	5.57	122	62	21	3	0	1	0		
NV WINNEMUCCA	91	56	99	47	73	0	0.33	0.27	0.24	2.39	215	5.54	112	63	23	4	0	2	0		
NH CONCORD	77	52	86	48	65	-6	0.04	-0.70	0.04	4.64	79	18.81	95	90	43	0	0	1	0		
NJ NEWARK	81	62	89	58	72	-7	5.84	4.59	3.70	9.01	129	26.04	103	91	48	0	0	4	2		
NM ALBUQUERQUE	90	68	94	66	79	0	0.01	-0.34	0.01	1.73	102	4.60	111	62	24	4	0	1	0		
NY ALBANY	78	55	86	50	67	-6	0.14	-0.58	0.13	2.35	37	13.10	65	94	45	0	0	2	0		
NY BINGHAMTON	73	55	79	48	64	-5	0.62	-0.16	0.57	4.89	71	16.22	79	94	58	0	0	4	1		
NY BUFFALO	77	59	82	51	68	-4	0.32	-0.38	0.31	5.72	94	22.65	114	90	50	0	0	2	0		
NY ROCHESTER	77	55	82	49	66	-5	0.42	-0.20	0.35	4.75	90	16.64	97	96	54	0	0	2	0		
NY SYRACUSE	79	55	85	51	67	-4	0.24	-0.61	0.24	4.32	62	15.46	74	89	44	0	0	1	0		
NC ASHEVILLE	84	67	87	63	76	2	0.71	-0.33	0.65	10.59	132	33.89	123	100	63	0	0	2	1		
NC CHARLOTTE	91	74	95	71	83	3	8.23	7.32	5.82	15.23	228	31.73	126	91	58	5	0	4	2		
NC GREENSBORO	87	71	91	67	79	2	2.21	1.18	1.10	5.60	73	24.46	98	93	60	2	0	5	2		
NC HATTERAS	83	74	87	66	79	0	0.51	-0.68	0.29	5.08	62	24.91	85	94	74	0	0	3	0		
NC RALEIGH	89	71	95	67	80	2	4.89	3.97	4.18	10.17	145	26.54	108	95	61	3	0	4	1		
NC WILMINGTON	89	75	93	71	82	1	0.25	-1.62	0.12	7.98	62	22.04	70	95	64	3	0	3	0		
ND BISMARCK	87	64	93	56	75	4	0.06	-0.39	0.04	3.46	76	9.41	93	95	44	2	0	2	0		
ND DICKINSON	83	61	92	56	72	1	0.87	0.56	0.49	6.50	129	12.23	112	94	52	1	0	3	0		
ND FARGO	84	63	90	58	74	2	0.24	-0.37	0.20	7.67	150	15.74	136	94	55	1	0	3	0		
ND GRAND FORKS	86	65	90	61	75	6	0.34	-0.26	0.32	5.90	115	10.94	102	90	51	2	0	2	0		
ND JAMESTOWN	84	65	90	62	74	3	0.14	-0.45	0.14	7.29	136	11.86	111	91	52	1	0	1	0		
ND WILLISTON	84	59	89	51	72	0	0.23	-0.21	0.18	7.10	174	8.95	99	92	50	0	0	3	0		
OH AKRON-CANTON	81	62	85	49	71	-1	0.50	-0.44	0.30	5.15	78	18.77	89	89	59	0	0	3	0		
OH CINCINNATI	88	67	95	65	78	2	0.30	-0.65	0.20	8.29	112	27.38	110	92	56	3	0	2	0		
OH CLEVELAND	80	63	85	51	72	-1	0.43	-0.35	0.33	4.89	74	19.26	94	91	59	0	0	3	0		
OH COLUMBUS	84	65	90	55	74	1	2.17	1.21	0.94	8.18	106	23.22	103	89	58	2	0	4	3		
OH DAYTON	85	65	94	53	75	1	0.40	-0.38	0.26	3.95	58	19.34	89	92	59	1	0	4	0		
OH MANSFIELD	80	61	87	50	71	-2	2.64	1.72	1.94	6.63	118	26.00	115	93	61	0	0	4	2		

Based on 1961-90 normals

Weather Data for the Week Ending July 26, 1997

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 JUN 1	PCT. NORMAL SINCE JUN 1	TOTAL IN. SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	92 AND BELOW	.01 INCH OR MORE		.50 INCH OR MORE
																		TEMP, °F	PRECIP.	
OK TOLEDO	80	62	92	50	71	-1	1.00	0.28	0.81	4.61	71	21.46	116	83	61	1	0	4	1	
OK YOUNGSTOWN	79	57	88	46	68	-3	0.10	-0.80	0.06	4.80	65	15.39	72	94	59	0	0	2	0	
OK OKLAHOMA CITY	96	73	97	70	84	1	1.13	0.60	1.13	5.82	89	17.13	86	91	43	7	0	1	1	
OR TULSA	95	76	98	72	85	1	1.44	0.79	1.36	10.52	149	21.54	92	86	49	7	0	2	1	
OR ASTORIA	69	55	70	51	62	2	0.01	-0.21	0.01	5.99	176	47.76	134	92	66	0	0	1	0	
OR BURNS	89	48	91	43	69	1	0.04	-0.04	0.04	0.75	66	6.30	114	72	48	3	0	1	0	
OR EUGENE	83	52	91	50	68	0	0.00	-0.11	0.00	1.97	105	22.95	88	84	32	1	0	0	0	
OR MEDFORD	94	57	100	54	76	2	0.00	-0.06	0.00	1.44	182	10.02	108	73	22	7	0	0	0	
OR PENDLETON	86	55	98	52	72	-2	0.00	-0.08	0.00	1.02	109	5.11	75	63	24	2	0	0	0	
OR PORTLAND	80	59	88	56	70	1	0.00	-0.13	0.00	3.36	166	26.59	138	82	42	0	0	0	0	
OR SALEM	82	52	88	49	67	0	0.00	-0.11	0.00	1.81	99	26.39	127	90	37	0	0	0	0	
PA ALLENTOWN	79	57	88	48	68	-7	5.08	4.12	3.42	8.65	120	21.21	87	94	51	0	0	5	2	
PA ERIE	77	63	84	54	70	-2	0.26	-0.51	0.26	7.20	103	25.07	119	89	62	0	0	1	0	
PA MIDDLETOWN	80	63	93	56	72	-5	3.88	3.18	3.58	6.90	100	18.39	78	87	63	1	0	1	1	
PA PHILADELPHIA	79	62	88	59	70	-7	2.79	1.82	1.28	5.53	75	21.12	87	93	58	0	0	5	3	
PA PITTSBURGH	79	61	87	53	70	-3	0.37	-0.46	0.30	4.48	65	18.76	86	90	57	0	0	4	0	
PA SCRANTON	80	57	89	47	68	-4	0.49	-0.34	0.30	3.89	54	13.06	63	91	47	0	0	4	0	
PA WILLIAMSPORT	79	59	92	49	69	-4	0.63	-0.24	0.51	3.15	41	12.47	63	93	53	1	0	2	1	
RI PROVIDENCE	78	59	87	56	68	-5	0.52	-0.21	0.28	3.07	51	19.81	78	86	47	0	0	4	0	
SC BEAUFORT	90	76	93	73	83	2	1.85	0.15	1.65	9.34	82	23.96	82	97	64	6	0	1	1	
SC CHARLESTON	90	75	92	73	82	0	0.98	-0.59	0.73	19.53	161	34.85	117	95	64	3	0	3	1	
SC COLUMBIA	91	74	94	72	83	2	3.44	2.16	3.43	11.99	128	28.01	94	96	60	5	0	2	1	
SC GREENVILLE	88	72	91	70	80	1	3.07	2.05	1.54	11.51	132	32.54	105	96	64	3	0	4	3	
SD ABERDEEN	84	64	88	60	74	1	0.75	0.16	0.40	4.09	74	9.81	80	97	57	0	0	4	0	
SD HURON	86	68	90	64	77	2	2.96	2.40	1.26	8.52	151	14.51	109	91	65	1	0	5	3	
SD RAPID CITY	85	61	92	58	73	0	1.24	-0.82	0.96	6.41	133	17.23	152	93	55	1	0	5	1	
SD SIOUX FALLS	86	68	91	65	77	2	0.92	0.34	0.75	6.80	117	14.63	104	97	67	2	0	4	1	
TN BRISTOL	89	66	93	64	77	3	0.15	-0.83	0.14	5.78	80	28.33	115	99	55	3	0	2	0	
TN CHATTANOOGA	92	73	94	70	82	3	0.43	-0.68	0.35	7.98	105	34.55	108	98	49	6	0	3	0	
TN KNOXVILLE	91	72	95	70	81	4	1.84	0.80	1.72	9.46	119	36.31	125	97	52	3	0	3	1	
TN MEMPHIS	95	75	99	73	85	2	0.66	-0.19	0.58	9.33	138	49.52	181	91	51	7	0	2	1	
TN NASHVILLE	93	73	95	70	83	3	0.50	-0.41	0.50	7.35	106	31.45	111	91	47	7	0	1	1	
TX ABILENE	96	72	98	69	84	-1	0.00	-0.47	0.00	7.15	155	16.20	124	78	33	7	0	0	0	
TX AMARILLO	92	66	95	63	79	0	0.09	-0.48	0.09	4.06	89	13.79	121	80	34	7	0	1	0	
TX AUSTIN	94	75	96	74	84	0	0.00	-0.40	0.00	8.98	164	28.23	152	90	44	7	0	0	0	
TX BEAUMONT	93	77	95	75	85	2	0.12	-1.09	0.12	7.94	78	30.22	98	96	62	7	0	1	0	
TX BROWNSVILLE	96	77	98	75	86	2	0.00	-0.41	0.00	1.47	34	16.29	127	95	52	7	0	0	0	
TX CORPUS CHRISTI	96	75	98	71	85	1	0.01	-0.51	0.01	2.27	42	18.13	120	96	47	7	0	1	0	
TX DEL RIO	94	75	98	71	84	-1	0.77	0.38	0.69	4.47	120	17.71	178	86	44	6	0	2	1	
TX EL PASO	94	69	97	66	82	0	0.43	0.05	0.24	1.78	92	3.99	112	74	29	7	0	3	0	
TX FORT WORTH	98	78	99	76	88	2	0.00	-0.50	0.00	5.00	101	25.55	127	79	41	7	0	0	0	
TX GALVESTON	92	77	94	64	84	0	0.11	-0.77	0.09	1.66	21	28.98	135	85	62	7	0	2	0	
TX HOUSTON	94	72	98	71	83	0	0.90	0.14	0.46	5.98	74	36.94	140	98	54	7	0	4	0	
TX LUBBOCK	94	69	96	66	81	1	0.00	-0.52	0.00	5.43	114	15.51	155	69	31	6	0	0	0	
TX MIDLAND	96	70	97	67	83	1	0.91	0.52	0.91	5.52	185	10.44	141	75	31	7	0	1	1	
TX SAN ANGELO	97	71	99	69	84	1	0.74	0.52	0.43	3.30	102	16.02	150	81	31	7	0	2	0	
TX SAN ANTONIO	96	76	98	75	86	1	0.00	-0.44	0.00	6.50	115	20.31	117	92	42	7	0	0	0	
TX VICTORIA	96	74	98	73	85	0	0.03	-0.65	0.02	4.44	57	42.28	207	98	50	6	0	2	0	
TX WACO	99	75	100	72	87	1	0.00	-0.39	0.00	5.56	111	28.63	152	86	37	7	0	0	0	
TX WICHITA FALLS	99	73	101	72	86	0	0.03	-0.30	0.03	2.20	44	13.79	82	84	33	7	0	1	0	
UT SALT LAKE CITY	91	64	94	61	78	-1	0.33	0.14	0.33	2.52	154	11.38	118	70	25	6	0	1	0	
VT BURLINGTON	77	52	84	49	65	-8	0.00	-0.84	0.00	6.35	98	15.56	86	93	41	0	0	0	0	
VA LYNCHBURG	84	68	92	63	76	0	2.01	1.05	1.48	5.68	82	21.24	91	94	65	1	0	3	1	
VA NORFOLK	83	70	91	66	77	-2	5.52	4.33	2.27	7.04	88	18.89	73	97	69	2	0	4	4	
VA RICHMOND	83	68	93	63	76	-2	3.59	2.39	2.04	7.06	90	20.96	85	96	69	2	0	3	2	
VA ROANOKE	85	68	91	65	77	1	2.16	1.24	1.45	7.83	122	20.04	88	96	62	2	0	5	1	
VA WASH/DULLES	82	64	92	59	73	-3	0.41	-0.38	0.19	3.37	49	16.86	75	89	61	1	0	3	0	
WA HANFORD	92	62	101	59	77	-	0.01	-	0.01	0.60	-	3.72	-	50	21	4	0	1	0	
WA OLYMPIA	79	49	85	45	64	0	0.02	-0.15	0.02	3.97	171	37.71	143	95	43	0	0	1	0	
WA QUILLAYUTE	67	51	70	48	59	0	0.27	-0.29	0.27	9.43	178	74.54	132	96	68	0	0	1	0	
WA SEATTLE-TACOMA	76	56	83	54	65	-1	0.00	-0.17	0.00	2.47	114	26.88	141	84	45	0	0	0	0	
WA SPOKANE	83	55	94	50	69	0	0.12	-0.02	0.10	1.38	75	11.70	124	72	28	1	0	2	0	
WA YAKIMA	88	54	95	49	71	0	0.00	-0.03	0.00	0.89	137	3.34	59	68	23	2	0	0	0	
WV BECKLEY	83	64	88	59	73	3	0.77	-0.29	0.71	6.41	82	23.65	97	96	60	0	0	4	1	
WV CHARLESTON	86	67	92	64	76	1	2.50	1.34	1.59	9.08	117	27.03	110	99	64	1	0	3	2	
WV ELKINS	81	58	90	50	70	1	1.77	0.75	0.74	5.57	69	25.00	96	99	59	1	0	6	1	
WV HUNTINGTON	86	67	91	64	77	2	1.49	0.42	1.49	8.07	109	24.68	101	95	65	1	0	1	1	
WI EAU CLAIRE	79	65	85	60	72	0	3.99	3.09	2.19	12.94	173	19.65	112	97	68	0	0	6	2	
WI GREEN BAY	76	57	85	51	67	-3	0.16	-0.53	0.08	7.37	123	16.15	105	98	70	0	0	2	0	
WI MADISON	82	63	93	56	72	1	2.74	1.96	1.57	10.87	168	20.12	120	96	70	1	0	5	2	
WI MILWAUKEE	77	62	85	59	70	-2	0.51	-0.29	0.26	11.96	194	20.63	113	97	82	0	0	4	0	
WI CASPER	88	56	93	51	72	0	0.20	-0.06	0.10	2.72	107	7.48	90	89	24	3	0	3	0	
WI CHEYENNE	88	57	91	52	73	3	0.40	-0.07	0.20	3.91	102	9.23	98	76	22	2	0	5	0	
WI LANDER	87	55	91	48	71	-1	0.19	0.03	0.19	2.24	103	6.81	77	88	20	2	0	1	0	
WI SHERIDAN	83	55	93	51	69	-2	0.17	0.02	0.08	5.02	166	10.50	111	94	45	1	0	6	0	

Based on 1961-90 normals

Note: These data are preliminary and subject to change. In the past, precipitation totals from a number of stations have been incomplete.

National Agricultural Summary

July 21 - 27, 1997

HIGHLIGHTS

Torrential rains along the path of Hurricane Danny's remnants may have damaged crops in some areas of Alabama, South Carolina, and North Carolina. Despite the damage, most crops benefited from the much-needed rain. Variable amounts of rain fell in the Corn Belt, resulting in fields in some areas receiving heavy precipitation, while other fields a few miles away received nothing. Scattered showers failed to dent 2-month moisture deficits in

an area extending from northern Missouri to central Indiana. Hot, dry weather in the western half of the United States provided ideal winter wheat harvest conditions. However, the above-normal temperature (over 100 degrees as far north as Nebraska) and lack of precipitation stressed both crops and pastures. Livestock producers in Nebraska reported supplemental feeding due to lack of good forage in pastures.

Winter wheat: Harvest of the Nation's winter wheat crop advanced to 79 percent (%) complete, compared with 78% harvested at this time last year and the 5-year average of 77%. Combines moved northward at week's end as harvest was winding down in the central Plains and most of the Corn Belt. Harvest was most active in Michigan, where farmers took advantage of dry weather and harvested 62% of their State's acreage during the week. Harvest progress was behind normal in Idaho and Washington as cutting was just getting underway. In Oregon, harvest progress gained momentum in the mid-Columbia region.

Corn: The overall condition of the corn acreage remained virtually unchanged from last week. However, the condition in eastern Corn Belt States improved with scattered rainfall, while condition in western States declined due to lack of precipitation and above-normal temperatures. In Illinois, timely rains were welcomed, but many farmers reported their acreage was still dry and being stressed by continued hot weather. Many areas of Indiana were still in need of precipitation as soil moisture conditions continued to decline. Scattered showers nourished many Iowa fields, but east-central and south-central areas remained very dry. Hot, dry weather stressed dryland crops in Nebraska, but late-week rains provided some relief in eastern and southern counties. In Missouri, lower corn leaves were turning brown in the driest fields. Sixty percent of the corn acreage was silking, ahead of 45% in 1996 and the average of 55%. Silking progress was generally ahead of normal in the western Corn Belt States, but behind in the eastern part of the region.

Soybeans: Plants were blooming on 68% of the national soybean acreage, ahead of the 50% blooming a year ago and the average of 58%. Eighteen percent of the acreage was setting pods, on par with average. Overall, soybean condition was virtually unchanged and rated mostly good. Rain, heat, and humidity generally pushed soybean development along in Iowa. As with corn, scattered showers benefited many soybean fields in the Corn Belt, but other fields near by remained dry. Fields in the western Corn Belt, most notably in Nebraska, were stressed by hot, dry weather. Heavy rainfall in southern Minnesota benefited soybeans.

Cotton: The pace of cotton setting bolls was ahead of normal in Arizona, New Mexico, and Texas while behind normal elsewhere.

For the Nation, 65% of the acreage was setting bolls, compared with 75% last year and the average of 66%. Cotton condition rated mostly good to fair. In Texas, additional heat units in most areas provided good growing conditions, but late-planted fields needed additional moisture. Despite scattered rainfall in Georgia, fields did not receive enough moisture to keep cotton condition from declining. Weevil populations in Louisiana cotton fields continued to grow. In Arizona, the first bales of cotton were ginned and insect pressure was light to moderate in the major growing areas. Harvest was just getting underway in Texas.

Sorghum: Sorghum heading reached 37% complete, compared with 40% in 1996 and the average of 38%. Eighteen percent of the acreage was coloring, behind both last year and the average pace. Sorghum fields in Kansas were becoming stressed by hot, dry weather. In Texas, fields were turning color fast due to high temperatures. Harvest expanded to central Texas and portions of the Badlands. Missouri, Nebraska, and New Mexico sorghum condition declined with another week of dry weather in the major producing counties.

Other Small Grains: Spring wheat and barley heading neared completion, ahead of last year's pace and the average. Condition of both crops declined slightly as hot, dry weather prevailed over the major producing States. Condition of the oat crop remained in mostly good to fair condition as harvest gained momentum. Nebraska farmers harvested their oat acreage well ahead of the normal pace due to dry conditions. Pennsylvania growers also harvested ahead of average. Harvest progress was at or behind the normal pace elsewhere.

Other Crops: Thirty percent of the rice crop was headed by week's end, behind both the 49% headed in 1996 and the average of 39%. Heading progress was significantly behind normal in Arkansas and Texas. Blackbirds were becoming a serious problem in Louisiana rice fields. Peanuts were pegging on 84% of the Nation's acreage, behind 91% in 1996. Condition of the peanut acreage declined as fields in Georgia showed signs of stress due to lack of moisture. In Texas, irrigation remained active where available, while dryland fields needed rain. Fields in North Carolina improved with rains from Hurricane Danny.

Crop Progress and Condition

Week Ending July 27, 1997

Soybeans Percent Blooming

	Jul 27 1997	Prev Week	Prev Year	5-Yr Avg
AL	35	20	43	43
AR	36	22	49	39
GA	57	34	47	48
IL	74	49	39	62
IN	65	49	30	65
IA	87	60	68	70
KS	75	52	59	48
KY	19	11	33	44
LA	82	66	84	69
MI	53	14	19	44
MN	80	44	65	66
MS	61	45	83	63
MO	62	40	47	45
NE	74	52	62	58
NC	28	20	32	28
OH	78	58	33	64
SC	33	32	36	31
SD	62	33	55	51
TN	33	19	43	38
ALL	68	45	50	58

These 19 States produced 94% of the 1996 soybean crop.

Winter Wheat Percent Harvested

	Jul 27 1997	Prev Week	Prev Year	5-Yr Avg
AR	100	98	100	100
CA	99	98	99	98
CO	95	87	88	81
GA	100	100	100	100
ID	4	2	6	10
IL	98	94	96	94
IN	89	76	85	90
KS	100	99	100	96
MI	65	3	45	54
MO	100	99	100	93
MT	10	0	2	2
NE	88	64	79	74
NC	100	100	100	98
OH	84	41	91	84
OK	100	100	100	100
OR	30	3	18	26
SD	22	8	20	33
TX	100	99	100	99
WA	6	2	15	24
ALL	79	72	78	77

These 19 States produced 92% of the 1996 winter wheat crop.

Corn Percent Silking

	Jul 27 1997	Prev Week	Prev Year	5-Yr Avg
CO	31	8	52	31
GA	100	97	100	100
IL	74	28	48	72
IN	40	7	32	62
IA	70	11	37	48
KS	90	60	96	76
KY	60	45	66	80
MI	15	3	11	29
MN	72	13	42	53
MO	83	59	81	65
NE	70	27	65	57
NC	91	85	97	95
OH	21	4	13	45
PA	30	8	50	38
SD	22	1	14	21
TX	90	61	97	88
WI	27	3	8	26
ALL	60	21	45	55

These 17 States produced 90% of the 1996 corn crop.

Soybeans Percent Setting Pods

	Jul 27 1997	Prev Week	Prev Year	5-Yr Avg
AL	14	NA	13	17
AR	6	NA	25	16
GA	26	NA	23	23
IL	17	NA	7	19
IN	15	NA	0	12
IA	29	NA	15	27
KS	20	NA	17	13
KY	7	NA	11	14
LA	56	NA	52	37
MI	0	NA	NA	NA
MN	16	NA	9	17
MS	39	NA	61	31
MO	15	NA	10	12
NE	9	NA	11	15
NC	10	NA	10	8
OH	14	NA	0	16
SC	18	NA	18	11
SD	25	NA	20	15
TN	9	NA	15	11
ALL	18	NA	13	18

These 19 States produced 94% of the 1996 soybean crop.

Oats Percent Harvested

	Jul 27 1997	Prev Week	Prev Year	5-Yr Avg
IA	33	NA	26	40
MI	0	NA	7	5
MN	0	NA	6	7
NE	82	NA	54	51
ND	0	NA	0	0
OH	16	NA	19	26
PA	29	NA	29	18
SD	14	NA	9	14
WI	2	NA	7	8
ALL	14	NA	12	14

These 9 States produced 56% of the 1996 oat crop.

Barley Percent Headed

	Jul 27 1997	Prev Week	Prev Year	5-Yr Avg
ID	99	94	94	94
MN	98	95	94	98
MT	98	93	94	93
ND	95	83	96	94
SD	99	92	97	99
WA	100	100	100	100
ALL	97	89	95	95

These 6 States produced 82% of the 1996 barley crop.

Cotton Percent Setting Bolls

	Jul 27 1997	Prev Week	Prev Year	5-Yr Avg
AL	52	24	76	72
AZ	95	94	92	91
AR	82	45	99	85
CA	70	40	76	71
GA	80	53	91	84
LA	94	68	99	95
MS	84	60	97	86
MO	72	39	91	75
NM	86	65	85	61
NC	60	15	75	65
OK	17	9	48	38
SC	49	30	78	68
TN	73	24	95	76
TX	52	24	56	47
ALL	65	37	75	66

These 14 States produced 99% of the 1996 cotton crop.

Crop Progress and Condition

Week Ending July 27, 1997

Sorghum Percent Headed

	Jul 27 1997	Prev Week	Prev Year	5-Yr Avg
AR	47	33	70	70
CO	12	2	9	6
IL	17	3	3	19
KS	22	16	23	15
LA	78	69	96	87
MS	91	75	91	82
MO	40	18	31	35
NE	10	0	2	12
NM	3	1	3	8
OK	15	10	45	29
SD	16	0	12	10
TX	67	58	72	75
ALL	37	29	40	38

These 12 States produced 99% of the 1996 sorghum crop.

Sorghum Percent Coloring

	Jul 27 1997	Prev Week	Prev Year	5-Yr Avg
AR	6	NA	45	23
CO	0	NA	NA	NA
IL	0	NA	0	2
KS	0	NA	NA	NA
LA	19	NA	41	31
MS	42	NA	40	30
MO	1	NA	0	2
NE	0	NA	0	0
NM	0	NA	0	0
OK	3	NA	17	7
SD	1	NA	NA	NA
TX	50	NA	54	60
ALL	18	NA	35	37

These 12 States produced 99% of the 1996 sorghum crop.

Peanuts Percent Pegging

	Jul 27 1997	Prev Week	Prev Year	5-Yr Avg
AL	79	74	95	NA
FL	99	91	99	NA
GA	93	82	97	NA
NC	80	52	78	NA
OK	91	86	97	NA
SC	64	58	82	NA
TX	68	53	77	NA
VA	72	47	92	NA
ALL	84	71	91	NA

These 8 States produced 99% of the 1996 peanut crop.

Rice Percent Headed

	Jul 27 1997	Prev Week	Prev Year	5-Yr Avg
AR	12	3	47	32
CA	10	0	5	2
LA	66	57	67	69
MS	52	35	60	45
TX	56	51	92	75
ALL	30	21	49	39

These 5 States produced 96% of the 1996 rice crop.

Spring Wheat Percent Headed

	Jul 27 1997	Prev Week	Prev Year	5-Yr Avg
ID	99	93	97	95
MN	97	93	90	97
MT	98	93	96	94
ND	96	82	91	91
SD	98	93	99	100
ALL	97	88	93	94

These 5 States produced 96% of the 1996 spring wheat crop.

Soybeans Crop Condition by Percent

	VP	P	F	G	EX
AL	1	6	45	46	2
AR	2	12	36	44	6
GA	0	7	33	56	4
IL	2	8	32	49	9
IN	2	6	27	53	12
IA	0	3	19	58	20
KS	1	2	21	60	16
KY	1	13	30	39	17
LA	2	12	30	49	7
MI	2	5	28	50	15
MN	3	7	31	49	10
MS	0	10	36	43	11
MO	3	13	41	39	4
NE	1	6	31	55	7
NC	1	4	28	63	4
OH	1	6	28	49	16
SC	0	2	12	65	21
SD	3	6	18	57	16
TN	0	7	37	51	5
ALL	2	7	29	50	12
Prev Wk	1	7	30	51	11
Prev Yr	2	10	33	45	10

Corn Crop Condition by Percent

	VP	P	F	G	EX
CO	2	5	19	55	19
GA	0	1	21	72	6
IL	2	9	32	46	11
IN	2	6	26	55	11
IA	0	3	17	58	22
KS	1	5	20	53	21
KY	2	13	35	44	6
MI	2	7	36	42	13
MN	2	4	22	54	18
MO	2	12	40	41	5
NE	2	7	25	50	16
NC	5	17	39	38	1
OH	2	6	24	50	18
PA	12	25	40	20	3
SD	3	3	14	57	23
TX	1	3	16	66	14
WI	0	3	10	49	38
ALL	2	6	24	51	17
Prev Wk	1	6	25	50	18
Prev Yr	3	8	28	47	14

Cotton Crop Condition by Percent

	VP	P	F	G	EX
AL	11	16	46	25	2
AZ	0	0	15	60	25
AR	0	17	41	41	1
CA	0	0	0	70	30
GA	0	4	32	54	10
LA	3	17	45	26	9
MS	2	5	31	52	10
MO	2	15	37	45	1
NM	0	4	27	54	15
NC	3	6	38	48	5
OK	0	3	20	72	5
SC	1	2	17	72	8
TN	3	10	37	48	2
TX	4	16	33	38	9
ALL	3	11	31	45	10
Prev Wk	2	8	29	49	12
Prev Yr	3	11	26	45	15

Rice Crop Condition by Percent

	VP	P	F	G	EX
AR	0	3	21	60	16
CA	0	0	50	50	0
LA	0	3	40	50	7
MS	0	7	20	69	4
TX	0	0	30	62	8
ALL	0	2	31	58	9
Prev Wk	0	2	32	52	14
Prev Yr	0	2	24	59	15

Crop Progress and Condition

Week Ending July 27, 1997

	VP	P	F	G	EX
IA	1	3	24	57	15
MI	3	7	40	42	8
MN	13	6	34	44	3
NE	0	6	39	51	4
ND	4	17	45	32	2
OH	1	7	33	50	9
PA	0	3	29	54	14
SD	2	5	27	55	11
WI	0	2	15	60	23
ALL	3	7	31	49	10
Prev Wk	2	9	30	48	11
Prev Yr	0	4	28	59	9

	VP	P	F	G	EX
AL	2	7	38	50	3
FL	0	1	17	45	37
GA	0	4	32	57	7
NC	0	6	30	60	4
OK	0	0	29	57	14
SC	0	0	13	83	4
TX	4	9	21	53	13
VA	0	15	30	50	5
ALL	1	6	29	54	10
Prev Wk	0	4	28	57	11
Prev Yr	1	7	28	52	12

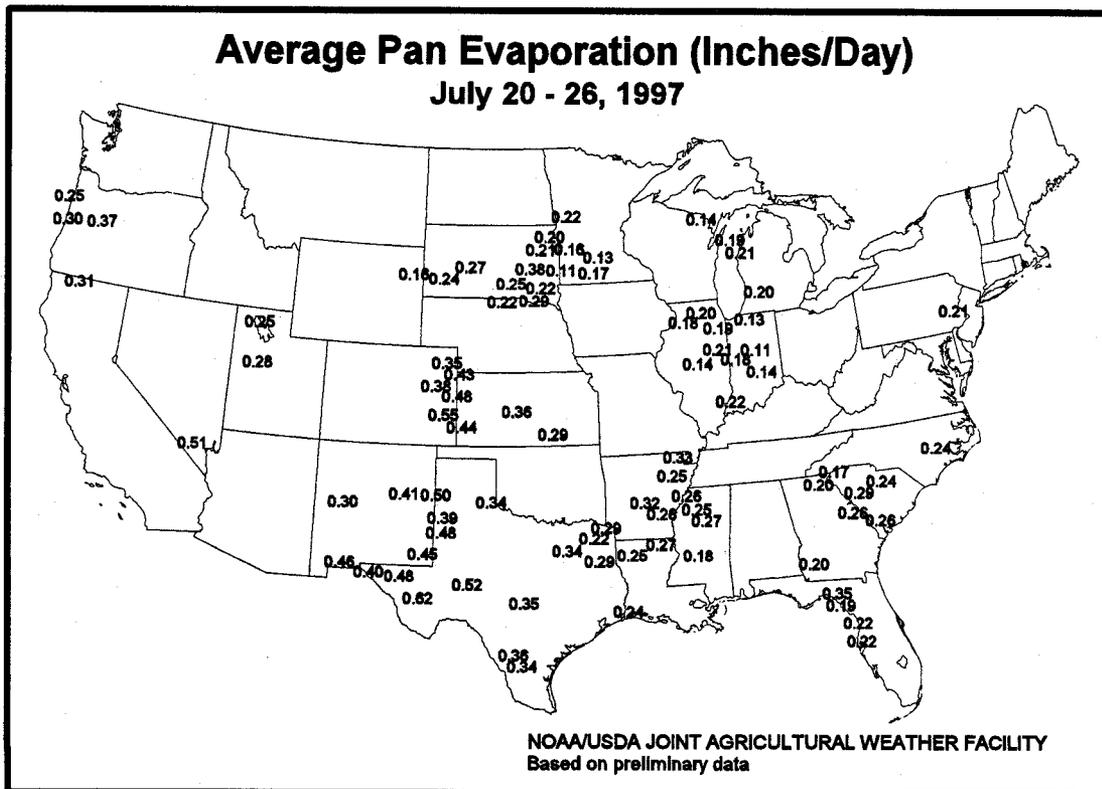
	VP	P	F	G	EX
AR	1	6	41	48	4
CO	0	6	24	64	6
IL	2	5	32	59	2
KS	1	5	26	56	12
LA	0	3	37	59	1
MS	0	7	30	60	3
MO	2	8	39	44	7
NE	3	12	46	38	1
NM	0	4	35	61	0
OK	0	12	23	60	5
SD	0	3	13	70	14
TX	1	7	28	43	21
ALL	1	7	29	50	13
Prev Wk	0	3	25	57	15
Prev Yr	3	7	26	50	14

	VP	P	F	G	EX
ID	0	1	9	75	15
MN	4	8	40	45	3
MT	1	12	40	40	7
ND	3	14	39	40	4
SD	1	6	29	55	9
ALL	2	11	37	44	6
Prev Wk	3	12	33	46	6
Prev Yr	1	8	30	53	8

	VP	P	F	G	EX
ID	0	1	7	73	19
MN	4	13	40	40	3
MT	1	5	35	43	16
ND	3	14	36	44	3
SD	2	9	27	53	9
WA	0	0	9	73	18
ALL	2	9	30	50	9
Prev Wk	2	9	27	52	10
Prev Yr	1	7	25	54	13

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

National crop conditions for selected States are weighted based on 1996 planted acres.



State Agricultural Summaries

These summaries, issued weekly through the summer growing season, provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by NASS State Statistical Offices in cooperation with the National Weather Service. The crop weather reports are also available on the Internet through the NASS Home Page on the World Wide Web at <http://www.usda.gov/nass/> or from JAWF at <http://www.usda.gov/oce/waob/jawf>.

ALABAMA: Days suitable for fieldwork 4.8. Topsoil 5% very short, 22% short, 53% adequate, 20% surplus. Corn silked 97%, 100% 1996, 99% avg. Corn dented 60%, 68% 1996, 64% avg. Corn 5% very poor, 5% poor, 21% fair, 59% good, and 10% excellent. Livestock 2% poor, 15% fair, 65% good, and 18% excellent. Hot and dry conditions left fields in many localities needing moisture. Damage from Hurricane Danny still being assessed.

ALASKA: Days suitable for baling hay 3. Topsoil 25% short, 75% adequate. Subsoil 55% short, 45% adequate. First crop hay harvest 85% complete, equal to 1996. Oats, barley 90% in dough, 10% turning color. Barley 40% fair, 55% good, 5% excellent. Height of second crop timothy, broom 9 inches. Commercial potatoes 85% in bloom, compared to 45% last year.

ARIZONA: Alfalfa harvest activity is 18% none, 6% moderate, 23% active, 54% finished; 20% fair, 70% good. In Southwestern Arizona the first bale of cotton was ginned insect pressure is light to moderate throughout the major growing areas. Cantaloupe, honeydews, watermelons and a variety of specialty melons were shipped from the central area. Central area growers also shipped sweet corn, carrots. Western growers are through for the season. Grapes continued to be harvested in the western area.

ARKANSAS: Days suitable for fieldwork 7. The weather was hot and humid most of the week. Scattered showers occurred in a few areas but most of the State received no rain. Soil moisture supplies 25% very short, 57% short, 18% adequate. Major activities: Irrigation of crops, harvest of hay, soybean weed control. Other farm activity: Fertilization and herbicide application to rice, cotton, pest control in cotton, peach, tomato harvest. Corn 5% poor, 26% fair, 57% good, 12% excellent. Hay 11% poor, 43% fair, 44% good, 2% excellent. Other hay 1% very poor, 17% poor, 47% fair, 33% good, 2% excellent. Pasture 3% very poor, 26% poor, 42% fair, 27% good, 2% excellent.

CALIFORNIA: Field activities progressed normally despite scattered showers in some areas. Small grain harvest was virtually complete, except in a few dryland fields and at higher elevations. Sugar beet harvest was ongoing in the central and southern San Joaquin Valley, new crop sugarbeets were sprayed for worms. Rice was treated for broadleaf weeds, armyworms. Head development began in some Sacramento Valley rice fields. Cotton continued to bloom, set bolls in the San Joaquin and Sacramento valleys. Many fields in the Imperial Valley had open bolls. Cotton growers were spraying for aphids, lygus, mites, whiteflies, worms. Harvest of corn for silage gained momentum in central, southern counties. Corn, blackeye beans, sugarbeets grew well with the seasonably warm weather. Seed alfalfa was drying for harvest in the San Joaquin Valley. Windowed alfalfa hay fields suffered no damage from the scattered showers. Some alfalfa was treated for cutworms. Garbanzo bean, safflower harvests progressed in the southern San Joaquin Valley. Alfalfa and sudangrass were cut for hay or greenchopped. Almond harvest began in the southern San Joaquin Valley. Early season walnuts were showing a light crop; later season varieties were showing a heavy crop. Harvesting of peaches, pears, nectarines, plums continued. Prunes were harvested for the fresh market. The quality of some nectarines was diminished by rains in the central San Joaquin Valley. Grapes hit by the rains were sprayed for mold prevention. Some Thompson Seedless variety grapes were harvested for crushing and for raisins. Many raisin grape vineyards were on their last irrigation. Apple orchards were sprayed for thrips, worms and scale. Some early variety apples were harvested. Fresno County asian pear picking was underway. Olive fruit set was light, fruit was sizing normally. Valencia orange harvest was over 50% complete. Fruit quality continued to be high. New crop navels were sizing normally, with wide variability in fruit set. Lemons were being picked. The harvest of red grapefruit continued. Broccoli, cauliflower, lettuce were harvested in the coastal areas. Harvest of carrots in Fresno, Kern counties progressed. Tulare County's sweet corn harvesting was nearly completed. The Kern County processing tomato harvest was winding down and the potato harvest was progressing normally. Processing tomatoes were being harvested in Glenn County. Harvest of cantaloupes, watermelons, and honeydew melons continued in the central valley. Bell peppers, cucumbers were sprayed to control white fly, aphids, worms. Cauliflower was transplanted in Stanislaus County. Early green bean

harvest was expected to start next week in Sutter County. Other vegetables harvested were: Celery, bell peppers, radishes, eggplant, squash, cucumbers, onions, okra, sweet potatoes. Rangeland forage was in good to fair at higher elevations across the State, poor condition, very dry in the foothills. Dry rangeland vegetation continued to be a fire hazard. Supplemental feeding was necessary on lower elevation ranches.

COLORADO: Days suitable for fieldwork 6.5. Topsoil 19% very short, 43% short, 37% adequate, 1% surplus. Subsoil 20% very short, 35% short, 43% adequate, 2% surplus. Spring barley 80% turning color, 97% 1996, 56% avg.; 25% harvested, 14% 1996, 9% avg.; 7% poor, 21% fair, 54% good, 18% excellent. Oats 77% turning color, 82% 1996, 67% avg.; 58% harvested, 46% 1996, 26% avg. Spring wheat 45% turning color, 92% 1996, 45% avg.; 9% poor, 13% fair, 44% good, 34% excellent. Sorghum 12% headed, 9% 1996, 6% avg.; 6% poor, 24% fair, 64% good, 6% excellent. Summer potatoes 1% very poor, 6% poor, 15% fair, 69% good, 9% excellent. Dry onion 1% very poor, 6% poor, 16% fair, 67% good, 10% excellent. Sugarbeets 1% poor, 10% fair, 69% good, 20% excellent. Dry beans 52% flowered, 60% 1996, 30% avg.; 1% poor, 24% fair, 63% good, 12% excellent. Corn 31% silked, 52% 1996, 31% avg. Alfalfa 59% 2nd cutting, 69% 1996, 47% avg.; 2% very poor, 8% poor, 18% fair, 58% good, 14% excellent. Winter wheat 99% ripe, 100% 1996, 97% avg. Livestock fair to good.

DELAWARE: Days suitable for fieldwork 3.5. Topsoil 17% very short, 51% short, 31% adequate, 1% surplus. Subsoil 8% very short, 64% short, 28% adequate. Winter wheat 100% harvested, 98% 1996, 94% avg. Corn 5% very poor, 13% poor, 29% fair, 51% good, 2% excellent. Field corn 35% silked, 72% 1996, 78% avg. Sweet corn 29% harvested, 38% 1996, 37% avg. Tomatoes 17% harvested, 24% 1996, 18% avg. Soybeans 1% very poor, 10% poor, 25% fair, 61% good, 3% excellent; 43% bloomed, 38% 1996, 35% avg. Sorghum 1% poor, 25% fair, 72% good, 2% excellent; 8% planted, 14% 1996, 14% avg. Cucumbers 45% harvested, 50% 1996, 46% avg. Snap beans 15% harvested, 17% 1996, 46% avg. Lima beans 7% harvested, 18% 1996, 10% avg. Sweet corn 29% harvested, 38% 1996, 37% avg. Potatoes 30% harvested, 25% 1996, 30% avg. Apples 12% fair, 87% good, 1% excellent. Cantaloupes 19% harvested, 24% 1996, 27% avg. Watermelons 12% harvested, 15% 1996, 12% avg. Peaches 16% fair, 82% good, 2% excellent; 18% harvested, 23% 1996, 25% avg. Hay supplies 25% short, 74% adequate, 1% surplus. Clover and other hays 85% 2nd cutting harvested, 78% 1996, 73% avg. Alfalfa 93% 2nd cutting harvested, 90% 1996, 95% avg.; 11% 3rd cutting harvested, 12% 1996, 22% avg. Activities: Rainfall resulted in 3 inches or less throughout the State, but may be harmful to development of melons.

FLORIDA: Frequent rainfall helped replenish soil moisture in Pasco, Sumter, Columbia counties, but some localities remain dry. Official rain totals for week vary from about 0.50 in. at Miami to over 2.00 in. at Key West and Orlando. Some reports showed rain falling at rate of 3.00 in. per hour during a few of the storms. Topsoil adequate to surplus throughout State with scattered areas short of moisture. Hurricane Danny damaged corn, soybeans, cotton in northwestern Escambia County along Alabama border. Ninety-nine percent of peanuts pegged. Sugarcane growth normal. Tobacco marketing started on July 22. Tobacco harvest active. Peanut poor 1%, fair 17%, good 45%, excellent 37%. Rains delayed some field preparations for fall vegetable planting. Tomato transplanting around Quincy getting underway with activity to gain momentum over next 7 days. Vegetable harvesting for local markets continued in many localities. In all citrus areas, high temperatures and frequent rains, moisture adequate, abundant new growth. New crop fruit progressing well, some fruit with discontinued grove care showing signs of stress. Caretakers cutting cover crops, spraying between rains, fertilizing, pushing dead trees, replanting. Pasture feed fair 15%, good 75%, excellent 10%. Cattle fair 10%, good 70%, excellent 20%. Weather has been favorable for pastures with seasonal rains, showers almost every day. Pastures in State generally good to excellent. Some west-central area ponds, lakes still low.

GEORGIA: Days suitable for field work 5.4. Soil moisture 9% very short, 26% short, 55% adequate, 10% surplus. Corn 94% dough, 93% 1996, 95% avg.; 77% dent, 73% 1996, 80% avg.; 36% mature, 28% 1996, 38% avg.; 3%

Harvested for Grain, 2% 1996, 2% avg. Cotton 97% squaring, 99% 1996, 99% avg. Hay 1% very poor, 5% poor, 35% fair, 55% good, 4% excellent. Peanuts 99% blooming, 100% 1996, 100% avg. Sorghum 3% poor, 22% fair, 73% good, 2% excellent; 99% planted, 100% 1996, 100% avg. Tobacco 1% very poor, 4% poor, 37% fair, 55% good, 3% excellent; 60% harvested, 49% 1996, 49% avg. Watermelons 3% very poor, 24% poor, 34% fair, 37% good, 2% excellent; 84% harvested, 90% 1996, 92% avg. Apples 3% poor, 10% fair, 81% good, 6% excellent; 2% harvested, 0% 1996, 4% avg. Peaches 10% poor, 42% fair, 41% good, 7% excellent; 96% harvested, 92% 1996, 92% avg. Pecans 7% poor, 31% fair, 58% good, 4% excellent. Scattered rainfall improved soil moisture in most areas. Major row crop areas did not receive enough rainfall to keep crop conditions from falling. After a slow start, crop progress has caught up to normal levels. Activities: Cutting, baling hay, irrigating, scouting cotton for insects, cutting corn for silage, preparing soil for fall vegetables.

HAWAII: Increased shower activities on Tuesday and Wednesday as remnants of Tropical Storm Felicia passed south of the State. Stronger trade winds during mid-week as high pressure system north of State intensified. Orchards crops generally good. Summer crops good to fair progress. Banana harvesting continue active. Papayas good to fair progress. Harvesting steady in major areas. Disease remains a problem. Watermelon harvesting very active, crop, fruit quality good. Head cabbage supplies heavy.

IDAHO: Days suitable for fieldwork 6.5. Topsoil 5% surplus, 83% adequate, 12% short. Spring wheat turning color 69%, 54% 1996, 49% avg.; Harvested 1% 1996, 2% avg. Barley turning color 60%, 42% 1996, 47% avg.; Harvested 1%, 2% 1996, 4% avg. Winter wheat turning color 84%, 91% 1996, 86% avg. Potatoes 12 in. high 95%, 97% 1996, 96% avg.; Closing middles 89%, 87% 1996, 80% avg.; Turning (vines senescent) 3%, 0% 1996, 5% avg. Potato 18% excellent, 71% good, 9% fair, 2% poor. Alfalfa Hay harvested (2nd cutting) 45%, 41% 1996, 41% avg. Oats harvested for grain 6%, 0% 1996 9% avg. Dry Peas harvested 8%, 6% 1996, 11% avg. Lentils harvested 0%, 0% 1996, 5% avg. Peaches harvested 15%, 3% 1996, 22% avg. Mint harvested 8%, 22% 1996, 27% avg. Irrigation water supply 41% excellent, 58% good, 1% fair. Activities: inspecting, spraying potatoes for late blight, preparing machinery for grain, potato, sugarbeet harvest, harvesting hay, barley, winter, spring wheat, weed control, irrigating.

ILLINOIS: Days suitable for fieldwork 5.2. Topsoil 16% very short, 39% short, 43% adequate, 2% surplus. Corn, soybean stabilized last week as variable amounts of rain fell across the State. Wheat harvest virtually complete. Oat, hay harvest continued but was slowed in the north by rains and humid conditions. Farmers continued to spray for leathopper in their alfalfa fields, scout for spider mites, grasshoppers in soybean fields, rootworm beetles in corn fields. Other activities: Harvesting peaches, planting second crop snap beans, mowing roadsides, attending county fairs. Corn doughed 5%, 5% 1996, 13% avg. Oats turning yellow 97%, 91% 1996, 92% avg.; ripe 71%, 49% 1996, 67% avg.; harvested 25%, 23% 1996, 33% avg. Oats 1% very poor, 1% poor, 24% fair, 60% good, 14% excellent. Alfalfa hay 2nd cutting 82%, 69% 1996, 77% avg.; 3rd cutting 7%, 13% 1996, 10% avg. Alfalfa hay 1% very poor, 10% poor, 32% fair, 48% good, 9% excellent.

INDIANA: Days suitable for fieldwork 4.5. Topsoil 8% very short, 23% short, 55% adequate, 14% surplus. Subsoil 5% very short, 24% short, 61% adequate, 10% surplus. Many areas are still in need of rain, as soil moisture continue to decline in those areas. Range, pasture 4% very poor, 12% poor, 38% fair, 40% good, 6% excellent. Second cutting of alfalfa 53% complete. Activities: Harvesting wheat, baling hay, straw, machinery maintenance, attending 4-H fairs, caring for livestock.

IOWA: Days suitable for field work 4.6. Topsoil very short 8%, short 26%, adequate 58%, surplus 8%. Subsoil moisture very short 5%, short 25%, adequate 66%, surplus 4%. Scattered rains nourished many fields last week. Still, some areas are still very dry, particularly in the east central and south central districts. The rains, heat, high humidity made haying difficult but generally pushed the corn, soybeans along nicely. Corn tasseled 87%, 60% 1996, 65% avg.; silked 70%, 37% 1996, 48% avg. Soybean acreage blooming 87%, 68% 1996, 70% avg.; setting pods 29%, 15% 1996, 27% avg. Alfalfa hay 2nd harvest 71% complete, 56% 1996, 56% avg. Oats turning color 98%, 95% 1996, 96% avg.; harvested 33%, 26% 1996, 40% avg. Winter wheat harvested 85%, 84% 1996, 72% avg. Corn rated 3% poor, 17% fair, 58% good, 22% excellent. Soybean 4% poor, 24% fair, 56% good, 16% excellent. Hay 7% very poor, 15% poor, 38% fair, 35% good, 5% excellent. Oats 1% very poor, 3% poor, 24% fair, 57% good, 15% excellent. Livestock reported good, although heat, humidity slowed gains. Pasture rated 8% very poor, 17% poor, 38% fair, 33% good, 4% excellent.

KANSAS: Days suitable for fieldwork 6.2. Topsoil 17% very short, 42% short, 36% adequate, 5% surplus. Subsoil 9% very short, 29% short, 59% adequate, 3% surplus. Corn in dough stage 30%, 30% 1996, 21% avg. Soybeans setting pods 20%, 17% 1996, 13% avg. Sunflowers 4% very poor, 7% poor, 19% fair, 67% good, and 3% excellent. Sunflowers planted 100%, no historic data available; emerged 99%, no historic data; begin to petal 30%. Second cut alfalfa 100%, 98% 1996, 91% avg. Third cut alfalfa 35%, 42% 1996, 27% avg. Crops becoming stressed from dry, hot weather. Pasture 3% very poor, 11% poor, 27% fair, 48% good, 11% excellent. Stock water supplies 3% very short, 16% short, 79% adequate 2% surplus. Major field activity: Working wheat stubble, irrigating, cutting hay.

KENTUCKY: Days suitable for fieldwork 5.3. Topsoil 24% very short, 43% short, 32% adequate, 1% surplus. Subsoil 20% very short, 38% short, 40% adequate, 2% surplus. Burley Tobacco blooming or beyond 29%, 31% 1996, 45% avg. Burley topped 11%, 13% 1996, 19% avg. Tobacco 9% very poor, 29% poor, 37% fair, 23% good, 2% excellent. Hay 1% very poor, 19% poor, 41% fair, 35% good, 4% excellent. Pasture 4% very poor, 24% poor, 42% fair, 28% good, 2% excellent.

LOUISIANA: Days suitable for fieldwork 5.7. Soil moisture 3% very short, 32% short, 56% adequate, 9% surplus. Corn 3% poor, 19% fair, 61% good, 17% excellent; 97% dough, 97% 1996, 97% avg.; 28% mature, 56% 1996, 52% avg.; 0% harvested 5% 1996, 3% avg. Corn fields continued to exhibit signs of stress brought on by hot, dry weather. Cotton weevil populations in cotton continued to grow. Hay 99% first cutting, 99% 1996, 98% avg.; 53% second cutting, 41% 1996, 29% avg. Peaches 99% harvested, 69% 1996, 77% avg. Rice 20% ripe, 14% 1996, 20% avg.; 6% harvested, 3% 1996, 9% avg. Blackbirds were becoming a serious problem in rice fields. Sorghum 2% ripe, 6% 1996, 5% avg. Soybeans dry weather forced soybean farmers to increase irrigation. Sugarcane 4% poor, 17% fair, 55% good, 24% excellent. Sugarcane growers were busy preparing fallow land. Sweet Potatoes 4% poor, 36% fair, 42% good, 18% excellent; 3% harvested, 0% 1996, 2% avg. Livestock 4% poor, 27% fair, 60% good, 9% excellent. Vegetables 2% very poor, 19% poor, 40% fair, 37% good, 2% excellent.

MARYLAND: Days suitable for fieldwork 4.8. Topsoil 30% very short, 29% short, 41% adequate. Subsoil 31% very short, 37% short, 30% adequate, 2% surplus. Corn 31% very poor, 25% poor, 32% fair, 10% good, 2% excellent. Field corn 33% silked, 68% 1996, 66% avg. Sweet corn 30% harvested, 38% 1996, 37% avg. Winter wheat 100% harvested, 97% 1996, 97% avg. Rye 88% harvested, 94% 1996, 92% avg. Barley 100% harvested, 100% 1996, 100% avg. Soybeans 20% very poor, 26% poor, 28% fair, 24% good, 2% excellent; 34% bloomed, 26% 1996, 29% avg.; 9% setting pods, 6% 1996, 4% avg. Sorghum 35% very poor, 6% poor, 14% fair, 37% good, 8% excellent; 4% headed, 8% 1996, 14% avg. Cucumbers 40% harvested, 53% 1996, 49% avg. Potatoes 17% harvested, 46% 1996, 46% avg. Snap beans 46% harvested, 41% 1996, 49% avg. Tobacco 7% poor, 29% fair, 57% good, 7% excellent. Apples 1% very poor, 1% poor, 28% fair, 61% good, 9% excellent. Cantaloupes 42% harvested, 47% 1996, 40% avg. Peaches 12% very poor, 13% poor, 41% fair, 34% good. Watermelons 14% harvested, 13% 1996, 25% avg. Tomatoes 14% harvested, 25% 1996, 26% avg. Hay supplies 11% very short, 23% short, 65% adequate, 1% surplus. Alfalfa hay 93% 2nd cutting, 78% 1996, 89% avg.; 13% 3rd cutting, 22% 1996, 26% avg. Clover, other hays 60% 2nd cutting, 54% 1996, 61% avg. Activities: Dry conditions prevailed, even with the two day avg. of .27 to 7 inches of spotty rainfall.

MICHIGAN: Days suitable for fieldwork 6.5. Dry soils were quenched by several rains in some regions, but other areas were still dry. Topsoil 6% very short, 49% short, 44% adequate, 1% surplus. Subsoil 4% very short, 56% short, 39% adequate, 1% surplus. Corn height 61 in., 48 in. 1996. All hay, 2nd cutting harvested 52% 1997, 46% 1996, 45% avg. All hay crop 1% very poor, 12% poor, 49% fair, 34% good, 4% excellent. Dry beans blooming 70% 1997, 2% 1996, 31% avg. Oats turning yellow 65% 1997, 58% 1996, 55% avg. Pasture feed 2% very poor, 5% poor, 28% fair, 50% good, 15% excellent.

MINNESOTA: Days suitable for fieldwork 3.0. Topsoil short, 3% short, 61% adequate, 36% surplus. Corn 72% tasseled, 42% 1996, 53% 5 yr. avg.; 5% milk, 0% 1996, 4% 5 yr. avg. Soybeans 80% blooming, 65% 1996, 66% 5 yr. avg.; 16% setting pods, 9% 1996, 17% 5 yr. avg. Spring wheat 34% turning ripe, 34% 1996, 44% 5 yr. avg.; 0% harvested, 2% 1996, 2% 5 yr. avg. Oats 79% turning ripe, 59% 1996, 67% 5 yr. avg.; 0% harvested, 6% 1996, 7% 5 yr. avg. Barley 28% turning ripe, 31% 1996, 46% 5 yr. avg.; 0% harvested, 1% 1996, 2% 5 yr. avg. Rye 11% harvested, 47% 1996, 24% 5 yr. avg. Winter wheat 4% harvested, 18% 1996, 12% 5 yr. avg. Pasture 2%

very poor, 8% poor, 34% fair, 49% good, 7% excellent. Spring wheat 4% very poor, 8% poor, 40% fair, 45% good, 3% excellent. Barley 4% very poor, 13% poor, 40% fair, 40% good, 3% excellent. Corn 2% very poor, 4% poor, 22% fair, 54% good, 18% excellent. Oats 13% very poor, 6% poor, 34% fair, 44% good, 3% excellent. Soybeans 3% very poor, 7% poor, 31% fair, 49% good, 10% excellent. Dry Beans 13% very poor, 8% poor, 24% fair, 41% good, 14% excellent. Sunflowers 5% very poor, 14% poor, 39% fair, 38% good, 4% excellent. Sugarbeets 2% very poor, 4% poor, 29% fair, 54% good, 11% excellent.

MISSISSIPPI: Days suitable for fieldwork 6.0. Soil moisture 8% very short, 27% short, 59% adequate, 6% surplus. Corn 98% silked, 100% 1996, 97% avg.; 84% dough, 87% 1996, 83% avg.; 60% dent, 57% 1996, 45% avg.; 10% mature, 12% 1996, 11% avg.; 29% silage harvested, 26% 1996, 21% avg.; 4% poor, 28% fair, 54% good, 14% excellent. Soybeans 100% planted, 100% 1996, 100% avg.; 99% emerged, 100% 1996, 99% avg.; 61% blooming, 83% 1996, 63% avg.; 39% setting pods, 61% 1996, 31% avg.; 10% poor, 36% fair, 43% good, 11% excellent. Wheat, 100% harvested, 100% 1996, 100% avg. Peaches 75% harvested, 87% 1996, 85% avg.; 13% poor, 19% fair, 52% good, 16% excellent. Peanuts, 5% fair, 78% good, 17% excellent. Sweetpotatoes 100% planted, 99% 1996, 100% avg.; 3% poor, 21% fair, 75% good, 1% excellent. Hay 65% harvested (warm season), 70% 1996, 73% avg.; 1% very poor, 5% poor, 30% fair, 55% good, 9% excellent. Cattle 6% poor, 20% fair, 59% good, 15% excellent. Pasture 3% poor, 22% fair, 57% good, 18% excellent. Main activities: Applying chemicals, harvesting hay. Corn development progressed rapidly during the week.

MISSOURI: Days suitable for fieldwork 6.4. Topsoil supply, 20% very short, 50% short, 29% adequate, 1% surplus. Subsoil supply 10% very short, 44% short, 45% adequate, 1% surplus. All districts are reporting significant shortages. Row crops are being stressed by the hot, dry weather, but crop conditions are still mostly fair to good. Lower corn leaves turning brown in driest fields. Oats harvested 90%, 87% 1996, 76% avg. Second crop alfalfa 92%, 83% 1996, 77% avg. Other hay 91% cut, 90% 1996, 86% avg. Pastures 5% very poor, 25% poor, 44% fair, 25% good, 1% excellent.

MONTANA: Days suitable for field work 5.6. Topsoil 7% very short, 33% short, 57% adequate, 3% surplus. Subsoil 9% very short, 31% short, 58% adequate, 2% surplus. Swathing of winter wheat continues. Hay in some counties is being chopped or destroyed because of molding. Winter wheat 95% turning, 93% 1996, 89% avg. Winter wheat 34% ripe, 23% 1996, 18% avg. Oats 93% headed, 90% 1996, 93% avg. Oats 31% turning, 49% 1996, 39% avg. Oats harvested 1%, 0% 1996, 0% avg. Oats 2% very poor, 6% poor, 33% fair, 49% good, 10% excellent. Alfalfa hay 1st cutting 92% complete, 98% 1996, 85% avg. 2nd cutting 6% complete, 9% 1996, 8% avg. Other hay 1st cutting 74% complete, 76% 1996, 67% avg.

NEBRASKA: Days suitable for fieldwork 6.6. Subsoil 19% very short, 38% short, 43% adequate. Topsoil 29% very short, 42% short, 29% adequate. Crops and grassland condition declined from the previous week due short moisture supplies. Reports indicated that the irrigated crops looked good but the conditions of dryland acres was beginning to decline due to the dry, hot conditions. Grasshopper, corn borer activity continued to noted over much of the State. Winter wheat 97% ripe, 96% 1996, 96% avg.; 88% harvested, 79% 1996, 74% avg. Corn 2% very poor, 7% poor, 25% fair, 50% good, 16% excellent; 70% silked, 65% 1996, 57% avg.; 2% dough, 1% 1996, 6% avg. Some producers treated fields for corn borer. Soybeans 1% very poor, 6% poor, 31% fair, 55% good, 7% excellent; 74% blooming, 62% 1996, 58% avg.; 9% setting pods 11% 1996, 15% avg. Sorghum 3% very poor, 12% poor, 46% fair, 38% good, 1% excellent; 10% headed, 2% 1996, 12% avg. Dry bean 5% poor, 47% fair, 42% good, 6% excellent; 74% blooming, 68% 1996; 26% pod set, 27% 1996. Alfalfa 7% very poor, 13% poor, 37% fair, 41% good, 2% excellent; 78% 2nd cutting, 79% 1996, 73% avg.; regrowth was limited due to lack of rainfall. Wild hay 4% very poor, 22% poor, 41% fair, 31% good, 2% excellent. Pasture, range 9% very poor, 26% poor, 40% fair, 22% good, 3% excellent; some producers were supplemental feeding in the central and southern counties due to short pastures; heat limited livestock gains. Other activities: Irrigating crops, haying, spraying herbicides, routine chores.

NEVADA: Temperatures averaged slightly below normal in the South and were near normal North. Precipitation was widespread through the Northeast, Central, and South, but was spotty Northwest. Greatest precipitation totals recorded Las Vegas .39 inch, Mountain City .39 inch, Winnemucca .33 inch, Elko .25 inch. Some urban street flooding in Las Vegas. Rainfall revitalized pasture, range forage, slowing seasonal drying. Haying was interrupted in many areas, and some windowed hay was damaged. Alfalfa 2nd cutting in full swing northern and central valleys, and 3rd cutting well along Extreme South.

Other hay harvest active statewide. Winter wheat, spring wheat, barley, oats were being harvested in the Fallon area. Grain crops ripening in the Yerington and Lovelock areas. Smut evident in some barley fields, lodging extensive in Lovelock area wheat and barley. Grain crop condition still rated mostly good. Garlic harvest in full swing. Onions in good to excellent condition. Potatoes good condition. Main farm, ranch activities: Hay, garlic harvests, irrigating, spraying.

NEW ENGLAND: Days suitable for fieldwork: 6.5. Topsoil 7% very short, 27% short, 63% adequate, 3% surplus. Subsoil 9% very short, 25% short, 57% adequate, 9% surplus. Pasture 1% very poor, 6% poor, 17% fair, 65% good, 11% excellent. Maine potatoes good. Massachusetts potatoes good. Rhode Island potatoes good to excellent. Oats in Maine good. Barley in Maine good. Field corn good. Sweet corn 10% harvested, 10% 1996, 15% avg.; good to fair. Shade tobacco 20% harvested; 15% 1996; good. Broadleaf tobacco: good to fair. First cut Hay 95% harvested, 90% 1996, 95% avg.; good to fair. Second cut Hay 40% harvested, 25% 1996, 30% avg.; good to excellent. Apples fruit set average to above average; fruit size average to above average; condition good. Peaches 5% harvested; fruit size average to below average; good to fair. Pears fruit set average; fruit size average to below average; condition fair. Strawberries 99% harvested; 99% 1996; fruit size average; condition good. Cranberries petal fall; fruit set average to above average; fruit size average; condition good to excellent. Highbush blueberries 30% harvested; 25% 1996; fruit size avg to above average; good to excellent. Wild blueberries: fruit size above average to average; condition good to excellent. Southern New England farms received some much needed rain this past week, giving irrigation systems an occasional rest. However, northern New England crops did not receive adequate moisture and are showing signs of stress. Major farm activities: Harvesting peas, lettuce, summer squash, green beans, tomatoes, blueberries, raspberries, shade tobacco; mowing; spreading manure on cut fields; cutting hay; side dressing corn; cultivating potatoes; spraying for weed, insect control; irrigating where available and as needed.

NEW JERSEY: Days suitable for fieldwork 5. Topsoil short to adequate. Farmers are irrigating, harvesting summer items, preparing ground for planting fall crops. Increasing harvest of cantaloupe, cucumbers, eggplant, green beans, herbs, peppers, squash, tomatoes, pickles, cabbage, Sweet corn, watermelon. Cutting, baling of hay continues. Combining of wheat, barley reported. Pasture poor to fair. The blueberry harvest is declining. The peach harvest is gradually increasing with the red haven variety starting to be harvested.

NEW MEXICO: Days suitable for fieldwork 6.4. Topsoil 13% very short, 44% short, 43% adequate. Hay harvest continued with the 3rd cutting of alfalfa 78% completed and the 4th cutting 9% completed. Alfalfa 4% poor, 12% fair, 70% good, 14% excellent. Wheat harvest 98% complete, 100% 1996, 100% avg. Wheat 11% fair, 87% good, 2% excellent. The cotton crop continued to progress well. Cotton 4% poor, 27% fair, 54% good, 15% excellent; 86% setting bolls, 85% 1996, 61% avg. Sorghum 4% poor, 35% fair, 61% good; 3% headed, 3% 1996, 8% avg. Onion harvest progressed slowly to 75% complete, 69% 1996; 11% fair, 61% good, 28% excellent. Chile pod set was rated 75% avg., 8% poor, 23% fair, 54% good, 15% excellent. Some grasshopper damage to the corn crop was reported. Corn 3% poor, 12% fair, 80% good, 5% excellent; 62% tasseled, 62% 1996. Cattle and sheep good. Range and pasture feed 4% very poor, 12% poor, 34% fair, 47% good, 3% excellent.

NEW YORK: Days suitable for fieldwork 5.9. Soil moisture 20% very short, 32% short, 48% adequate. Corn 10% poor, 20% fair, 60% good, 10% excellent. Early planted corn tasseling. Pastures 14% very poor, 15% poor, 23% fair, 48% good. Second cutting alfalfa 51% finished, 43% 1996, 44% avg. Regrowth light. Wheat 35% harvested, 38% 1996, 52% avg. Oat harvest underway. Apples in Hudson Valley good. Peach harvest began. Fruit in the Lake Ontario and Lake Erie regions was in good condition, but need rain. Early sweet corn, cabbage harvested. Onion good.

NORTH CAROLINA: Days suitable for fieldwork 4.9. Ex-Hurricane Danny did damage to some crops in its path, particularly tobacco, which needed to be stood up in some fields. However, despite the damage most crops will benefit from the much needed rain. Fieldwork was also cut short due to Danny. Most areas that were starting to report drought damage did get rain especially in the Northern Coastal Region. Soil moisture 5% very short, 19% short, 59% adequate, 17% surplus. Activities: Fertilizer, herbicide applications on corn; suckering, topping tobacco; harvesting flue-cured tobacco, Irish potatoes, peaches; marketing border belt tobacco; cutting hay; maintaining pastures; tending livestock; repairing equipment.

NORTH DAKOTA: Days suitable for fieldwork 6. Thunderstorms with high winds and hail damaged crops in many areas, yet crop conditions overall improved during the week. Warm temperatures and high humidity spurred scab emergence and foliar diseases in wheat and barley. Statewide soil moisture supplies continued to maintain a level comparable with the 5-year avg. Topsoil 3% very short, 15% short, 72% adequate, 10% surplus. Subsoil 2% very short, 18% short, 70% adequate, 10% surplus. The small grains further advanced in the turning stage, all behind avg. except durum wheat. Late season crop development made excellent progress, ahead of avg., except sunflowers. Ideal conditions promoted rapid corn development. Tasseling is over a week ahead of avg. Durum wheat 89% heading, beyond, 42% milk beyond, 8% turning, beyond; 88%, 40%, 6% last year; 84%, 41%, 7% avg. Canola 93% blooming, beyond, 7% turning, beyond; 94%, 10% last year; corn 62% tasseling, beyond, 3% milk, beyond; 38%, 3% last year; 32%, 3% avg.; dry edible beans 85% blooming, beyond, 31% podding, beyond, 2% fully podded, beyond; 66%, 31%, 1% last year; 62%, 26%, 1% avg.; flaxseed 89% blooming, beyond, 2% turning, beyond; 60%, 3% last year; 58%, 2% avg.; potatoes 97% blooming, beyond, 72% rows filled, beyond; 90%, 73% last year; 84%, 64% avg.; soybeans 94% blooming, beyond, 36% podding, beyond, 4% fully podded, beyond; 65%, 33%, 0% last year; 60%, 27%, 1% avg.; sunflower 6% blooming, beyond, 3% last year, 7% avg. Conditions of all crops, except soybeans, potatoes, improved during the week, while oat conditions remained unchanged. Durum 5% very poor, 22% poor, 37% fair, 34% good, 2% excellent; canola 3% very poor, 16% poor, 26% fair, 45% good, 10% excellent; corn 1% very poor, 5% poor, 18% fair, 56% good, 20% excellent; dry edible beans 8% very poor, 14% poor, 26% fair, 46% good, 6% excellent; flaxseed 4% very poor, 12% poor, 33% fair, 47% good, 4% excellent; soybeans 13% very poor, 15% poor, 23% fair, 43% good, 6% excellent; soybeans 3% very poor, 13% poor, 31% fair, 42% good, 11% excellent; sugarbeets 5% very poor, 10% poor, 16% fair, 55% good, 14% excellent; sunflower 1% very poor, 5% poor, 19% fair, 57% good, 18% excellent. Pasture 4% very poor, 24% poor, 42% fair, 29% good, 1% excellent.

OHIO: Days suitable for fieldwork 4.6. Topsoil 11% very short, 24% short, 57% adequate, 8% surplus. Average corn development stage at 11 to 12 leaves. Corn silked 7 days behind the avg. Soybeans blooming a little over 6 days ahead of the avg.; setting pods 2 weeks ahead of last year. Oats turning rip 65%; harvested slightly over 3 days behind avg. Winter wheat ripening virtually complete.; harvested 2 days behind last year. Alfalfa hay 66% 2nd cutting, 54% 1996, 65% avg. Alfalfa hay 5% 3rd cutting, 0% 1996, 3% avg. Other hay 37% 2nd cutting, 29% 1996, 41% avg. Other hay 2% 3rd cutting, 0% 1996, 0% avg. Tobacco 8% topped. Apples 7% harvested. Potatoes less than 1% harvested. Activities throughout the State included mowing hay, ditches, winter wheat stubble, pastures; clipping weeds along ditches, pastures; baling hay, straw; hauling manure; scouting fields; spraying herbicides, pesticides; fence, building maintenance; repairing, preparing machinery for harvest; attending county fairs. Weed pressures ragweed; Canadian thistles; hemp dogbane; other grass, broadleaf weeds. Insects reported: Potato leafhopper in alfalfa, a Coshocton County reporter said it is the worst they have seen in 20 years; striped cucumber beetle causing damage to the pumpkin crop in Adams County; European corn borer was noticed in some corn in Wayne County. Reported diseases: late phytophthora root rot in soybeans, blue mold in tobacco, early blight on tomatoes. Compared to last year, most all crops are in better condition. Hay 1% very poor, 9% poor, 36% fair, 44% good, 10% excellent. Livestock 4% poor, 28% fair, 58% good, 10% excellent.

OKLAHOMA: Days suitable for fieldwork 5.0. Topsoil 6% very short, 44% short, 46% adequate, 4% surplus. Subsoil 3% very short, 19% short, 73% adequate, 5% surplus. Wheat 83% plowed, 89% 1996, 84% avg.; Oats 68% plowed, 93% 1996, 91% avg.; Corn 57% tasseling, 100% 1996, 91% avg.; 19% milk-to-soft, 45% 1996, 44% avg.; 0% mature, 9% 1996, 5% avg.; sorghum 100% up-to-stand, 100% 1996, 99% avg.; Soybeans 75% flowering, 71% 1996, 45% avg.; 35% setting pods, 34% 1996, 19% avg.; Peanuts 69% setting pods, 78% 1996, 41% avg.; Alfalfa Hay 97% 2nd cutting, 100% 1996, 95% avg.; 43% 3rd cutting, 49% 1996, 53% avg.; All Other Hay 90% 1st cutting, 85% 1996, 97% avg.; 13% 2nd cutting, 31% 1996, 58% avg.; Watermelons 36% harvested, 41% 1996, n/a avg.; Livestock 3% poor, 16% fair, 72% good, 9% excellent. Fed cattle prices steady.

OREGON: Days suitable for fieldwork 6.6. Topsoil 4% very short, 37% short, 59% adequate. Subsoil 1% very short, 31% short, 68% adequate. Barley harvested 21%, 15% 1996, 24% avg. Winter wheat harvested 30%, 18% 1996, 26% avg. Activities: Willamette Valley grass seed harvest underway, haying continued. Wheat turning color, harvest started in some areas. Mid-Columbia growers harvesting wheat. Grass seed harvest

underway in Northeast, small grains starting to turn in Klamath Basin, Northeast. Nurseries, greenhouses doing summer work of irrigation, container changing, propagation, upkeep of perennials, pruning. Willamette Valley vegetables crops look good; green beans, squash, sweet corn, cucumbers, cantaloupes in good supply. Irrigation of vegetable fields continued. Snap bean harvest begun, sweet corn tasseling. Eastside potatoes look good, some hollow heart but no signs of late blight. Willamette Valley blueberry, raspberry, blackberry harvest continued; early peach harvest started; hazelnuts, walnuts ahead of schedule. Rogue River Valley berries still plentiful, blackberries starting to ripen; pears look good, early varieties harvest started; walnuts look good, some plum varieties ripe. South Coast cranberry buds started develop next year's crop. Northeast cherry harvest continued. Livestock good to excellent. Rangeland pastures higher elevations in the east look excellent. Lower level pastures starting to dry up. Lighting strikes caused small fires. Western pastures dry, feed quality low.

PENNSYLVANIA: Days suitable for fieldwork 4.1. Soil moisture 18% very short, 42% short, 35% adequate, 5% surplus. Avg. corn height 49 in., 62 in. 1996, 60 in. avg. Corn crop 12% very poor, 25% poor, 40% fair, 20% good, 3% excellent. Soybean crop 3% very poor, 17% poor, 45% fair, 33% good, 2% excellent. Barley 99% ripe, 100% 1996, 95% avg.; 94% harvested, 98% in 1996, 83% avg. Winter wheat 97% ripe, 100% 1996, 92% avg., 78% harvested, 82% 1996, 66% avg. Wheat crop 2% poor, 12% fair, 60% good, 26% excellent. Oats 99% heading or headed, 100% 1996, 59% avg.; 90% turning yellow, 86% 1996, 82% avg.; 57% ripe, 44% 1996, 44% avg. Oat crop 3% poor, 29% fair, 54% good, 14% excellent. Alfalfa 2nd cutting 68% complete, 64% 1996, 60% avg. Timothy clover 1st cutting 96% complete, 94% 1996, 95% avg. Timothy clover 2nd cutting 30% complete, 22% 1996, 21% avg. Quality of hay made 15% poor, 44% fair, 30% good, 11% excellent. Peach 15% poor, 40% fair, 45% good. Apple 20% poor, 50% fair, 30% good. Activities: Harvesting small grains; making hay, haylage; spraying; fixing fences; hauling manure; caring for livestock.

SOUTH CAROLINA: Days suitable for fieldwork 5.2. Soil moisture 1% very short, 7% short, 73% adequate, 19% surplus. Apples 12% poor, 26% fair, 57% good, 55% excellent. Barley 3% fair, 94% good, 3% excellent. Cantaloupe 96% harvested, 95% 1996, 82% avg.; 27% poor, 30% fair, 37% good, 6% excellent. Corn 99% silked, 100% 1996, 100% avg.; 82% douched, 91% 1996, 90% avg.; 33% matured, 54% 1996, 41% avg.; 6% harvested, 6% 1996, 5% avg.; 3% poor, 17% fair, 60% good, 20% excellent. Cucumbers 97% harvested, 98% 1996, 88% avg.; 5% poor, 55% fair, 35% good, 5% excellent. Peaches 64% harvested, 71% 1996, 66% avg.; 28% poor, 41% fair, 28% good, 3% excellent. Snap Beans 91% harvested, 89% 1996, 78% avg.; 11% fair, 82% good, 7% excellent. Sorghum 100% planted, 100% 1996, 93% avg.; 2% poor, 6% fair, 68% good, 24% excellent. Tobacco 99% topped, 99% 1996, 96% avg.; 32% harvested, 33% 1996, 34% avg.; 2% poor, 12% fair, 71% good, 15% excellent. Tomatoes 95% harvested, 98% 1996, 98% avg.; 73% fair, 22% good, 5% excellent. Watermelons 92% harvested, 94% 1996, 86% avg.; 6% poor, 53% fair, 39% good, 2% excellent.

SOUTH DAKOTA: Days suitable for fieldwork, 4.5. Topsoil moisture 2% very short, 18% short, 67% adequate, 13% surplus. Subsoil moisture 13% short, 74% adequate, 13% surplus. Major activities by farmers, ranchers during the week were haying CRP acres, spraying, and harvesting of small grains. Winter wheat 98% turning color, 94% 1996, 98% avg.; 76% ripe, 64% 1996, 77% avg. Spring wheat 65% turning color, 73% 1996, 70% avg.; 11% ripe, 11% 1996, 19% avg. Winter rye 99% turning color, 99% 1996, 98% avg.; 82% ripe, 52% 1996, 73% avg.; 12% harvested, 7% 1996, 17% avg. Winter rye 1% very poor, 15% poor, 25% fair, 43% good, 16% excellent. Alfalfa hay 3% very poor, 5% poor, 28% fair, 51% good, 13% excellent. Flax 1% very poor, 7% poor, 37% fair, 37% good, 18% excellent. Oats 71% turning color, 73% 1996, 74% avg.; 31% ripe, 34% 1996, 40% avg.; 14% harvested, 9% 1996, 14% avg. Barley 74% turning color, 74% 1996, 74% avg.; 20% ripe, 11% 1996, 27% avg. Corn 3% very poor, 3% poor, 14% fair, 57% good, 23% excellent. Sunflowers 1% very poor, 5% poor, 15% fair, 57% good, 22% excellent. Sunflowers 11% blooming, 5% 1996, 10% avg.; Flax 86% blooming, 67% 1996, 66% avg. Corn 94% cultivated twice, 95% 1996, 81% avg.; tasseled 62%, 30% 1996, 37% avg. Alfalfa hay cut twice 50%, 52% 1996, 44% avg. Other hay harvested 71%, 73% 1996, 58% avg. Livestock 1% poor, 8% fair, 66% good, 25% excellent. Stock water supplies 3% short, 85% adequate, 12% surplus.

TENNESSEE: Days suitable for fieldwork 6.0. Topsoil 21% very short, 45% short, 34% adequate, 0% surplus. Subsoil 12% very short, 41% short, 47% adequate, 0% surplus. Corn 7% poor, 30% fair, 50% good, 13% excellent; 92% tasseled, 98% 1996, 95% avg; 35% dough, 62% 1996, 50% avg. Tobacco 3% very poor, 18% poor, 47% fair, 30% good, 2% excellent; 31% topped, 33% 1996, 32% avg. Sorghum 3% poor, 37% fair, 52% good, 8%

excellent; 57% headed, 47% 1996, 58% avg. Pasture 13% poor, 38% fair, 45% good, 4% excellent. Alfalfa hay 1% very poor, 5% poor, 28% fair, 58% good, 8% excellent; 89% 2nd cutting, 92% 1996, 97% avg. Other hay 11% poor, 39% fair, 46% good, 4% excellent.

TEXAS: Extreme heat, dry conditions persisted. Irrigation operations continued at steady pace. Crops rapidly were maturing under high temperatures, harvest expanding in parts of Blacklands, Central. Growth in native ranges, pastures have either slowed considerably or ceased totally. Livestock remained in overall good condition. However, some producers reported some decline in body condition. **Crops:** Small grains: With exception of few wet spots, most fields have been harvested. Corn: The High Plains crop continued to make good progress under steady irrigation. Many fields entered dent stage, with only slight problems with worms reported. Fields rapidly maturing from North Central throughout Blacklands, parts Central, where harvest began in few fields. Harvest continued without delay in the Upper Coast, Coastal Bend, South, Rio Grande Valley. 57% doughing, 76% 1996, 67% avg. 37% denting, 61% 1996, 53% avg. 19% mature, 44% 1996, 35% avg. 3% harvested, 11% 1996, 12% avg. Cotton: The additional heat units provided good growing conditions for fields in most areas. A few fields planted late would benefit from good rain. Bolls were setting in the North Central areas, Blacklands, Central. Bolls continued to open rapidly in Coastal Bend, along Upper Coast. Harvest was getting underway in the Valley. 5% open bolls, 11% 1996, 8% avg. Grain Sorghum: Fields were turning color very fast in many areas with high temperatures. Midge continued a problem in some areas. Harvest continued in the Coastal Bend, Upper Coast, Rio Grande Valley. Harvest was getting underway in the Central, portions of the Blacklands. 33% mature, 46% 1996, 46% avg. 17% harvested, 29% 1996, 33% avg. Peanuts: Irrigation remained active where available, dryland fields could use rain. Progress has, however, been good all areas. Rice: Fields continued head, flooding operations remained active. Insect problems decreased in many fields. Soybeans: Early varieties were maturing, harvest nearing in the Upper Coast. Later varieties could use rain. Fields in the High Plains also made good progress. Sugarbeets: Fields continued to make good progress in High Plains. Other Crops: Sunflowers 100% planted, 96% 1996, 99% avg.

Fruit and Pecans: Rio Grande Valley, land preparations continued most fields. San Antonio-Winter Garden, land preparation continued with only few watermelon fields left for harvest. High Plains, harvest operations continued without delay. East, production slowing down many fields with high temperatures. Sweetpotatoes continued make good progress. Trans-Pecos, cantaloupe production remained good. Peaches: Harvest early varieties nearing completion most areas, later varieties now being harvested with good volume reported. Pecans: A good crop still expected most areas; however, some trees dropped small nuts because heavy load, water fluctuations, extreme temperatures. Some insect damage also occurred.

Range and Livestock: High temperatures, recent dry spell slowed growth many grasses across state. Haying operations slowed considerably. Livestock conditions remained good across state, with only few reports declining body conditions. Markets remained active, good prices reported.

UTAH: Days suitable for fieldwork 6.4. Topsoil 2% very short, 30% short, 65% adequate, 3% surplus. Subsoil 36% short, 60% adequate, 4% surplus. Pasture, range 7% poor, 25% fair, 62% good, 6% excellent. Irrigation water supplies 15% short, 83% adequate, 2% surplus. Stock water supply 2% very short, 10% short, 86% adequate, 2% surplus. Barley harvested 22%, 33% 1996, 25% avg. Oats heading or better 90%, 89% 1996, 90% avg.; harvest for hay or silage 72%, 49% 1996, 64% avg. Corn height 56 in., 61 in. 1996, 53 in. avg.; silked 15%. Winter wheat harvested 32%, 51% 1996, 36% avg. Spring wheat harvested 19%, 30% 1996, 20% avg. Alfalfa hay 2nd cutting 43%, 61% 1996, 61% avg. Other hay cutting 79%, 64% 1996, 68% avg. Tart cherries picked 70%, 73% 1996. Major farm, ranch activities: Hay cutting, irrigating, picking fruit, harvesting small grains.

VIRGINIA: Days suitable for fieldwork 3.5. Topsoil 5% very short, 20% short, 70% adequate, 5% surplus. Subsoil 5% very short, 40% short, 50% adequate, 5% surplus. Corn 65% silked, 62% 1996, 64% avg.; 27% dough, 32% 1996, 26% avg.; 20% very poor, 30% poor, 38% fair, 10% good, 2% excellent. Soybeans 25% bloomed, 25% 1996, 27% avg.; 5% very poor, 20% poor, 40% fair, 30% good, 5% excellent. Cotton 5% very poor, 15% poor, 36% fair, 40% good, 4% excellent. Winter wheat 99% harvested, 98% 1996, 98% avg. Apples 10% poor, 40% fair, 50% good. Peaches 25% harvested, 13% 1996, 23% avg. Flue tobacco 1% harvested, 8% 1996, 8% avg.; 5% very poor, 10% poor, 30% fair, 45% good, 10% excellent. Burley tobacco 50% poor, 35% fair, 10% good, 5% excellent. Dark fire cured tobacco 2% very poor, 18% poor, 48% fair, 30% good, 2% excellent. Sun cured tobacco 10% poor, 50% fair, 40% good. Peanuts 72% pegged, 92% 1996; 15% poor, 30% fair, 50% good, 5% excellent. Summer potatoes harvested 80%, 66% 1996, 66% avg. Pasture 8% very poor, 34% poor, 37% fair, 20% good,

1% excellent. Alfalfa 2% very poor, 20% poor, 35% fair, 38% good, 5% excellent. Other Hay 5% very poor, 33% poor, 40% fair, 20% good, 2% excellent. Tropical rains from Hurricane Danny moved across the State with rainfall accumulations averaging four to six inches over a three day period. Some localities received as little as a half inch while some Eastern Shore and Southeastern localities received as much as ten inches. Heavy rain caused flash flooding in some Western and Southeastern localities. Some tobacco producers were concerned about the possible drowning of their tobacco crop in spots. Overall, the timely rains were a welcome relief to the extremely dry conditions that had prevailed over most of the State. Most crops benefited, however, these rains came too late for some corn fields. Virtually all of this year's soybean crop has been planted. Although beef producers continue to feed hay, pasture supplies are improving. Other activities include vegetable harvesting, applying fungicide, topping and harvesting tobacco, harvesting hay.

WASHINGTON: Days suitable for fieldwork 6.9. Topsoil 25% short, 75% adequate; subsoil 20% short, 80% adequate. Winter wheat dryland 6% fair, 65% good, 29% excellent; irrigated 83% good, 17% excellent. Spring wheat, dryland 10% fair, 60% good, 30% excellent; irrigated 90% good, 10% excellent. Barley dryland, 10% fair, 70% good, 20% excellent; irrigated 99% good, 1% excellent. Winter wheat 6% harvested, 15% 1996, 24% avg. Wheat harvest is behind both last year and the 5-year avg. Harvest is either just beginning or expected to be underway shortly in most areas. Preliminary yields reported were above average. Corn 100% good. Potatoes, 3% fair, 97% good. Potatoes 7% harvested, 8% 1996, 7% avg. Hay and other roughage supplies, 5% short, 90% adequate, and 5% surplus. The 2nd cutting of alfalfa neared completion with good quality hay reported. Range and pasture, 5% very poor, 10% poor, 10% fair, 70% good, 5% excellent. Pastures continued to look mostly good across the state, areas in western Washington reported that warm, dry weather did begin to stress some pastures. Raspberry harvest neared completion, and apricot harvest continued. Blueberry, blackberry harvest began. Sweet cherry harvest continued, but in limited quantities at higher elevations. The grape crop looked big. Harvesting operations continued on fresh and processing potatoes, onions, sweet corn. Late plantings of lettuce, cabbage began.

WEST VIRGINIA: Days suitable for fieldwork 4.2. Topsoil 4% very short, 24% short, 70% adequate, 2% surplus. Corn 6% poor, 47% fair, 46% good, 1% excellent; 41% silking, 44% 1996, 52% avg.; 2% dough stage, 9% 1996, 15% avg. Hay 9% poor, 28% fair, 62% good, 1% excellent; 1st. cutting of hay 97%, 94% 1996, 98% avg; 2nd cutting 25%, 26% 1996, 35% avg. Oats 6% poor, 26% fair, 68% good; 29% harvested, 39% 1996. Soybeans 3% poor, 68% fair, 29% good; 72% blooming, 57% 1996, 51% avg.; 19% setting pods, 15% 1996. Tobacco 8% poor, 49% fair, 43% good; 4% topped, 5% 1996. Winter Wheat 98% harvested, 89% 1996, 77% avg. Apple 56% fair, 37% good, 7% excellent. Peach 16% poor, 84% fair. Cattle 2% poor, 17% fair, 78% good, 3% excellent. Sheep 1% poor, 24% fair, 71% good, 4% excellent. Activities: Making hay, harvesting wheat, oats, suckering, topping tobacco.

WISCONSIN: Days suitable for fieldwork 4.0. Soil moisture 1% very short, 7% short, 68% adequate, 24% surplus. Second crop hay harvest throughout the State increased slowly to 46%. A reporter in Richland County stated that some 2nd crop hay had rotted and farmers had to chop it back to the ground. In Waushara County, a reporter noted that some canning crops have been hard to get off with the frequent showers. Spraying for leafhoppers is being done statewide. The corn continued to grow well, as the average height reached 73 inches statewide, 18 inches taller than on July 27, 1996. Farmers in the South Central district and some other areas have begun to harvest winter wheat. As of July 27, the State avg. 4% harvested. Soybeans continued to bloom and started to set pods with statewide ratings of 53% bloomed and 20% setting pods. Soybean 2% poor, 10% fair, 57% good, 31% excellent. Pasture feed 2% poor, 20% fair, 63% good, and 15% excellent.

WYOMING: Days suitable for fieldwork 6.0. Topsoil supplies 3% very short, 58% short, 37% adequate, 2% surplus. Winter wheat 94% mature, 88% 1996, 75% avg.; 37% harvested, 42% 1996, 30% avg. Barley 88% turning color, 81% 1996, 73% avg.; 27% mature, 18% 1996, 26% avg.; 2% harvested, 1% 1996, 4% avg. Oats 61% turning color, 53% 1996, 49% avg.; 21% mature, 18% 1996, 14% avg.; 8% harvested, 4% 1996, 3% avg. Spring wheat 75% turning color, 48% 1996, 54% avg.; 21% mature, 16% 1996, 15% avg.; 2% harvested, 3% 1996, 2% avg. Corn 63% tasseled, 59% 1996, 43% avg.; 25% silked, 21% 1996, 15% avg. Dry beans 77% bloom, 69% 1996, 67% avg.; 29% setting pods, 20% 1996, 21% avg. Alfalfa 96% 1st cutting complete, 94% 1996, 92% avg.; 10% 2nd cutting complete, 12% 1996, 11% avg. Other hay harvested 57% complete, 57% 1996, 57% avg. Range, pasture 3% poor, 26% fair, 68% good, 3% excellent. Stock water supplies 4% short, 94% adequate, 2% surplus. Livestock are in mostly good condition.

International Weather and Crop Summary

July 20 - 26, 1997

HIGHLIGHTS

FSU-WESTERN: Wet weather in Ukraine and southern Russia continued to hamper winter grain harvesting.

FSU-NEW LANDS: Scattered showers and cool weather favored spring grains in the reproductive to filling stages of development.

EUROPE: Wet weather in north-central Europe exacerbated flooding and threatened crop quality.

AUSTRALIA: Scattered, mostly light showers swept across southern Australia's winter grain belts.

CANADA: Rain is needed across the southern Prairies for reproductive to filling spring grains and oilseeds.

SOUTH ASIA: Moderate to heavy rain returned to important oilseeds and cotton areas of central and southern India.

SOUTHEAST ASIA: Rain is needed for rainfed second-season crops across Java, but irrigation supplies are adequate for rice.

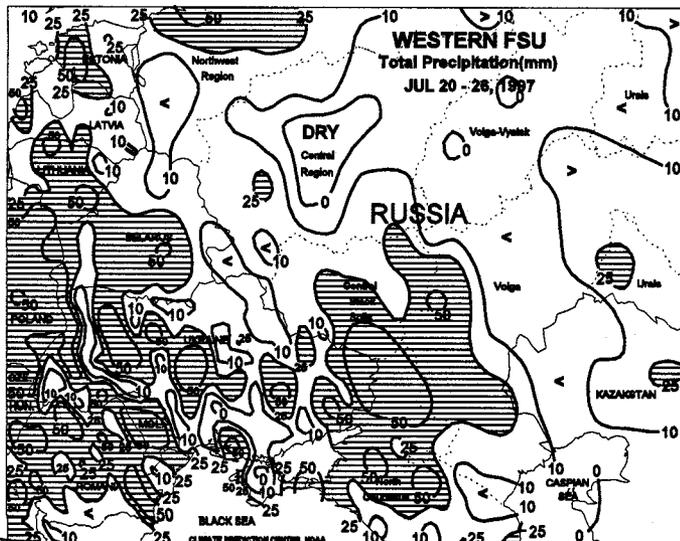
EASTERN ASIA: Below-normal showers reduced moisture supplies for summer crops across the North China Plain and southern Manchuria. Much-needed rain relieved dryness in northern North Korea.

SOUTH AMERICA: In Argentina, drier weather allowed winter wheat planting to progress after last week's beneficial rain.

MEXICO: More rain is needed across the western corn belt.

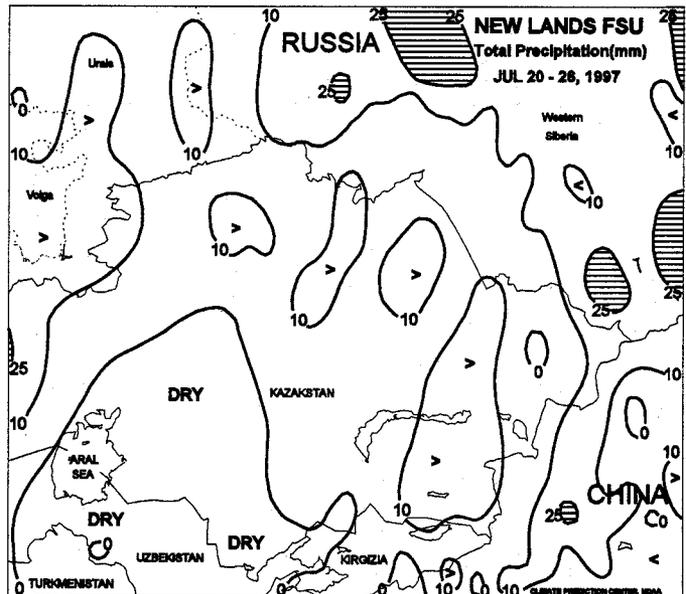
FSU-WESTERN

Frequent showers occurred in most areas, maintaining wet field conditions. The exception was in northern Russia (eastern portion of the Central Region and Volga Vyatsk region), where the weather was mostly dry. Wet weather (10-50 mm) in Ukraine hampered winter grain harvesting but maintained abundant moisture for corn, sunflowers, and sugar beets. Excessive rains (25-50 mm, with local amounts in excess of 50 mm) continued in southern Russia (North Caucasus, Central Black Soils Region, and the lower Volga Valley), delaying winter and spring grain harvesting and causing some crop lodging. The persistent wetness in these areas has increased the potential for wet-weather related diseases. Elsewhere, widespread showers prevailed over Belarus and Lithuania, benefiting spring grains in the filling stage but hampering winter grain harvesting. Weekly temperatures averaged 1 to 3 degrees C above normal in Belarus and the Baltics, and 1 to 3 degrees C below normal in Ukraine and southern Russia.



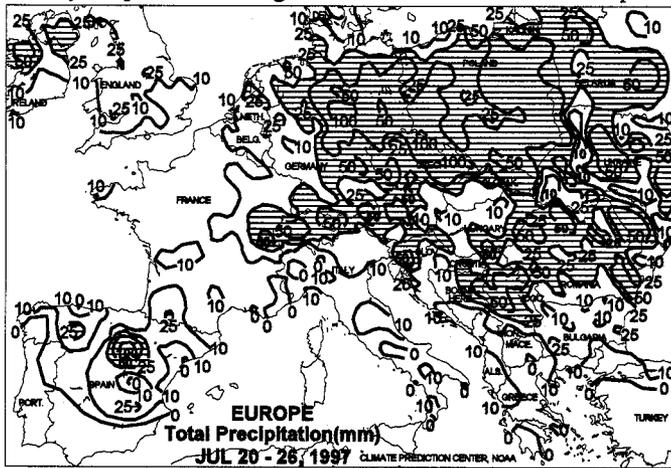
FSU-NEW LANDS

Generally cool weather and scattered showers prevailed over Russia and Kazakstan, favoring spring grains in the reproductive to filling stages. Precipitation amounts in these areas generally ranged from 5 to 25 mm. Weekly temperatures averaged 2 to 4 degrees C below normal over the region, slowing crop development but preventing heat stress.



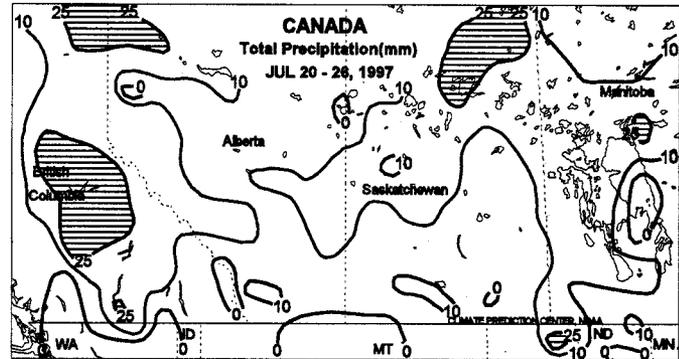
EUROPE

Wet weather (25-70 mm) continued to aggravate flooding in eastern Germany, Poland, the Czech Republic, and Slovakia. The persistent rainy pattern in these areas slowed winter grain maturation and harvesting, caused some crop lodging, and increased the potential for wet-weather related diseases. Farther south, widespread light to moderate showers (10-40 mm) in Hungary, Romania, and Bulgaria slowed winter grain harvesting but provided favorable moisture for summer crops in or nearing reproduction. Elsewhere, mostly dry weather in France and adjacent areas in northern Italy allowed winter grain harvesting to progress rapidly. In France, reports as of July 25 indicated that harvesting was 45 percent completed for soft wheat, 40 percent for durum, 30 percent for spring barley, and 80 percent for rapeseed. Light showers (4-15 mm) in England and western Germany caused only minor delays in winter crop harvesting, while wet weather (25-50 mm) in southern Germany caused further delays in harvesting. Weekly temperatures averaged near normal over most of Europe.



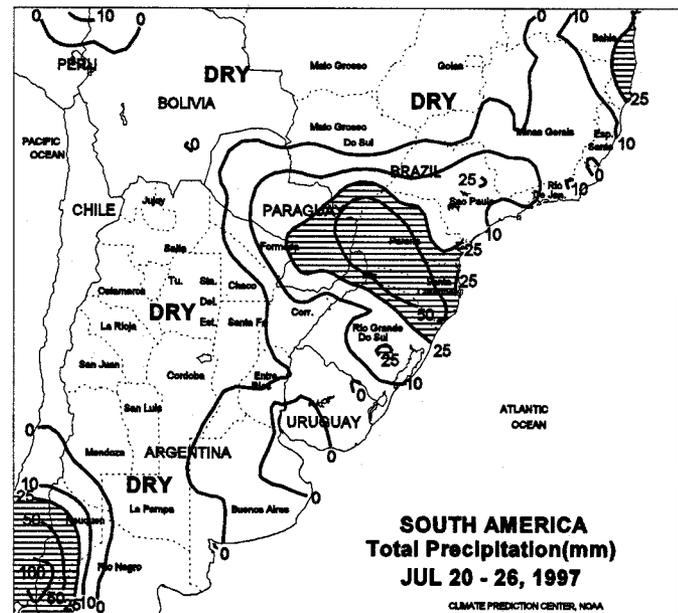
CANADA

Scattered, light showers continued across the Prairies. In southern growing areas, light rainfall (total accumulations less than 15 mm) and periodic warmth (highs in the low to mid 30's C) resulted in some stress on reproductive to filling spring crops in Alberta and Saskatchewan. Temperatures averaged 1 to 2 degrees C above normal in eastern Saskatchewan and Manitoba, but more frequent showers in Manitoba mitigated the dryness. In the east, generally dry, mild weather dominated Ontario and Quebec, with the heaviest rain (10-20 mm) falling in the southwest. Recent weeks of drying overall have been favorable for Ontario's crops, but a few dry pockets require additional moisture for corn development.



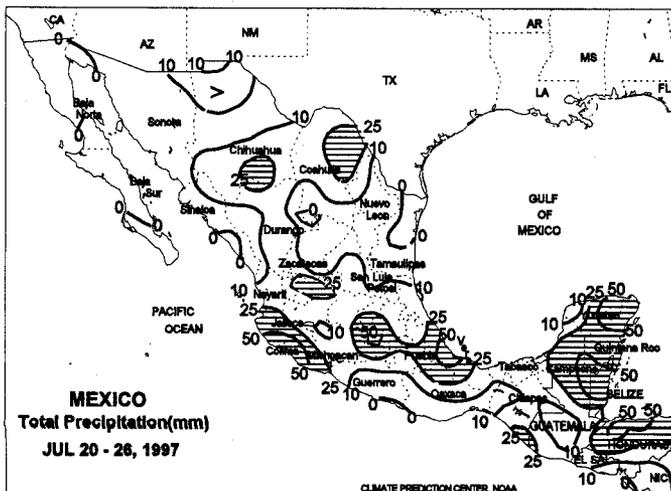
SOUTH AMERICA

Dry weather prevailed across central Argentina, favoring winter wheat planting after last week's favorable rainfall, especially across southern Buenos Aires. Rain is still needed across the minor wheat area of southern Cordoba. In southern Brazil, rain again covered the major wheat areas of eastern Parana, Santa Catarina, and Rio Grande do Sul, favoring vegetative to reproductive winter wheat. Light to moderate rain (10-30 mm) slowed citrus and coffee harvesting, but maintained overwintering moisture for the crops. Temperatures averaged 2 to 5 degrees C above normal across central Argentina, favoring wheat development. Near-normal temperatures prevailed across southern Brazil.



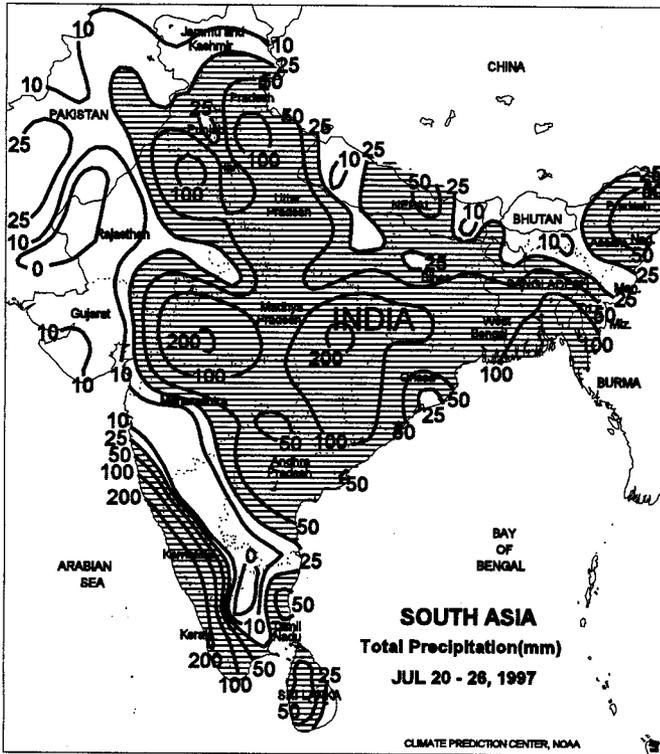
MEXICO

Seasonable showers (20-45 mm) continued to favor vegetative to reproductive corn across the eastern corn belt. However, lighter showers (5-20 mm) continued across the western corn belt, decreasing soil moisture for corn. High temperatures (2-3 degrees C above normal) further increased moisture demands. Hot, dry weather (temperatures 4 degrees C above normal) continued across northeastern Mexico, stressing summer crops and reducing irrigation supplies. In north-central Mexico, moderate showers (20-40 mm) increased moisture supplies and favored pastures.



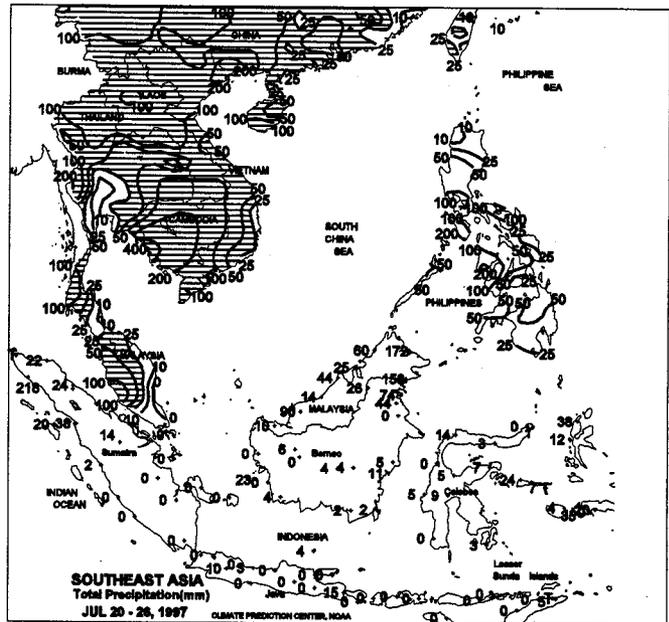
SOUTH ASIA

Moderate to heavy showers (25-50 mm or more, exceeding 100 mm at many locations) brought some relief to interior crop areas of central and southern India. The rainfall is especially welcomed in groundnut and cotton areas of Andhra Pradesh, which received 34-78 mm for one of its wettest weeks of the season. However, showers were unfavorably heavy (156-209 mm) in the heart of the soybean belt, centered over western Madhya Pradesh. Heavy rain also fell along the southwest coast, but mostly dry weather persisted in primary crop areas from Gujarat southward to Karnataka. Shower activity tapered off somewhat in the east, although a swath of heavy rain (50-200 mm) stretched from the rainfed rice areas of Orissa and eastern Madhya Pradesh eastward through Bangladesh. In the far north, showers (10-35 mm) finally reached northern Pakistan.



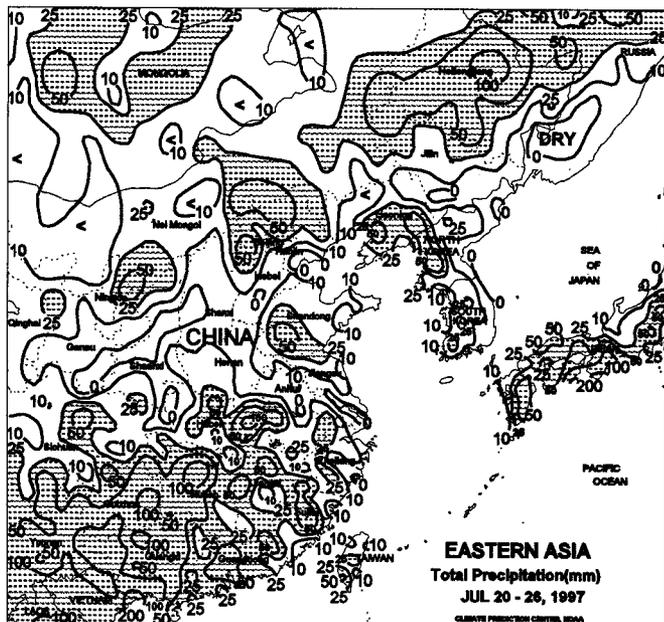
SOUTHEAST ASIA

Widespread showers (10-75 mm) blanketed most of Thailand, boosting moisture supplies for rainfed and irrigated crops. Heavy showers (100-125 mm) greatly increased irrigation supplies across northern Thailand. However, south-central Thailand (north of Bangkok along the lower Chao Phraya River Valley) continued to receive light showers (less than 20 mm), reducing moisture supplies and stressing corn. Widespread showers (50-150 mm) increased moisture for rice across Vietnam and the Philippines. Only isolated showers (5-15 mm) fell across Java, reducing moisture for second-crop corn. There should be adequate moisture for second-season rice irrigation. Showers (50-150 mm) benefited oil palm across western peninsular Malaysia, while lighter showers (less than 25 mm) brought limited relief to the eastern oil palm areas.



EASTERN ASIA

Moderate rain (15-40 mm) fell across Shandong province in the North China Plain, favoring vegetative to reproductive summer crops. Lighter amounts (1-20 mm), however, fell elsewhere across the region, limiting soil moisture. The below-normal summer rainfall is causing some declines in summer crop yield prospects, especially in corn. Typically, the North China Plain receives 40 to 50 mm a week during late July, the wettest time of the year. Light to moderate rain (10-60 mm) fell across Manchuria, with rainfall more scattered across the south. More rain is needed in portions of southern Manchuria to ease short-term dryness. Widespread showers (25-70 mm) continued to maintain moisture supplies across central and southern China. Temperatures averaged 2 to 4 degrees C above normal in the North China Plain and Manchuria and 1 to 2 degrees C below normal across southern China. Much-needed rain (30-100 mm) prevailed across northwestern North Korea, bringing relief to summer crops. Somewhat drier weather (5-25 mm) prevailed across South Korea, where moisture supplies remained adequate. Typhoon Rosie hit southern Japan (Shikoku Island) on July 26, with sustained winds of 65 to 70 knots (75-86 mph), causing minor wind and flood damage. Rosie helped contribute to moderate to heavy rain (50-150 mm) along the southern coast of Japan. Warm, dry weather (temperatures averaged 1-3 degrees C above normal) prevailed across northern Honshu, favoring rice development.



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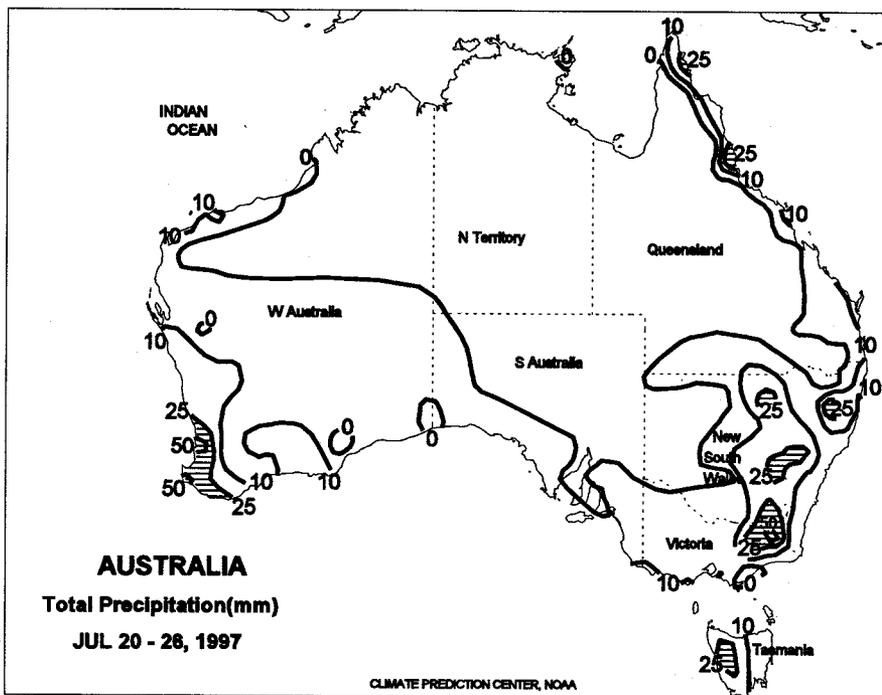
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AUSTRALIA

A frontal system swept across southern Australia, bringing scattered showers to the winter grain belts. In Western Australia, rainfall totaled 2-18 mm in the major crop areas, with heavier amounts (25-50 mm) along the coast. As the system progressed eastward, light showers (5 mm or less) moistened topsoils in the southeast but were far too light to significantly improve moisture reserves. More moderate showers (5-25 mm) developed over New South Wales, but activity diminished from Darling Downs northward. In New Zealand, rainfall was very light in the main agricultural areas, with just a few locations receiving more than 10 mm.



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