

**JUNE 1993:** The first month of the meteorological summer commenced with near normal temperatures and unusually dry conditions across most of the Washington/Baltimore area. Unseasonably cool weather dominated during the first week, yielding a daily temperature departure of  $-10^{\circ}\text{F}$  at DCA on the 2nd; however, summerlike warmth overspread the region a week later, producing the first  $90^{\circ}\text{F}$  reading at most locations on the 9th. The high of  $93^{\circ}\text{F}$  on the 9th at DCA was the latest "first"  $90^{\circ}\text{F}$  or greater reading since 1983. Although there were several days with hot weather, no extended periods of excessive heat and/or humidity were observed. DCA recorded 9 days with temperatures reaching or exceeding  $90^{\circ}\text{F}$ , including four consecutive days (26th–29th); however, monthly temperatures averaged slightly below normal (see table).

Precipitation was well below normal across the region, with the majority of the month's total falling during the first eight days. Early morning rains on the 5th produced less than half an inch at most locations. Showers and thunderstorms on the 7th and 8th provided more than half an inch across most of the Washington/Baltimore area. Severe thunderstorms moved through Baltimore and Howard counties on the 8th, producing heavy rain and hail. During the final two-thirds of the month, rainfall became rather scarce. Only 0.34" of rain was measured at DCA from the 10th–30th, and the 1.73" measured during June was the lowest monthly total since November 1991 (see cover graph). The dry weather contributed to the browning of area lawns, but no significant stress was reported to local agriculture since ground water tables remained near normal, due mainly to copious Spring precipitation.

**JUNE 1993 WEATHER STATISTICS FOR THE WASHINGTON/BALTIMORE AREA:**

Station <u>Location</u>	<u>Temperatures (<math>^{\circ}\text{F}</math>)</u>					<u>Extreme/Day</u>		<u>Precipitation (In)</u>		
	<u>AvMx</u>	<u>AvMn</u>	<u>AvgT</u>	<u>NmIT</u>	<u>DepNm</u>	<u>MaxT</u>	<u>MinT</u>	<u>Total</u>	<u>Norm</u>	<u>DepNm</u>
National (DCA)	85.1	65.6	75.4	75.6	-0.2	96/19*	51/2	1.73	3.38	-1.65
Baltimore (BWI)	83.9	60.5	72.2	72.5	-0.3	96/28	44/2	2.56	3.67	-1.11
Dulles (IAD)	85.0	58.9	72.0	71.0	+1.0	95/19	41/2	1.77	3.92	-2.15
Ft. Belvoir (DAA)	85.0	61.5	73.3	72	+1.0	96/9	45/2	2.27	3.7	-1.4
Andrews AFB (ADW)	83.8	63.6	73.7	72	+2.0	94/9#	43/2	2.68	3.7	-1.0

Other dates of occurrence: \* June 28th; # June 10th, 18th, & 19th.

**LOOKING AHEAD TO JULY: Dry June = Dry Summer ?**

The summer of 1993 has gotten off to a dry start across the local area once again. This marks the eighth time in the last ten years that subnormal June rainfall has been observed at DCA. Below is a list of the last ten Junes and the corresponding summer precipitation totals at DCA. Does a dry June necessarily give rise to a dry summer? [June Normal: 3.38", Summer Normal: 11.09" ; Normals period: 1961–1990]

<u>Year</u>	<u>June Precip. Total</u>	<u>Summer Precip. Total</u>
1993	1.73"	?
1992	2.35"	10.17"
1991	1.27"	7.06"
1990	3.14"	13.66"
1989	6.02"	12.83"
1988*	0.95"	7.08"
1987	3.90"	8.56"
1986	1.29"	10.41"
1985	2.05"	7.31"
1984	2.01"	8.40"

\* Driest June ever recorded at DCA (2nd driest in Washington).