

CMMCP WEEKLY SURVEILLANCE REPORT



EPI week #23
June 6 – 12, 2021

Frank Cornine, Staff Biologist
Curtis Best, Staff Entomologist
David Mullins, Field Biologist
Tim McGlinchy, Director of Operations
Tim Deschamps, Executive Director

**Central Mass. Mosquito Control Project
Weekly Report- 6/6/21-6/12/21
EPI Week #23**

Cumulative Surveillance Summary

Target Species	<i>Ae. vex</i>	<i>Cq. per</i>	<i>Cs. mel</i>	<i>Oc. can</i>	<i>Culex</i>	All Species
No. Pools	17	29	6	24	10	145
Total Specimens	68	618	17	371	21	1717
No. Pools WNV +	0	0	0	0	0	0
No. Pools EEE +	0	0	0	0	0	0

Weather Summary (Northborough, MA): The weather for this particular week averaged 73.66°F with a recorded high temperature of 97.20°F and a recorded low temperature of only 47.50°F. For this week there was also a total of 0.38 inches of rain observed. Compared to the previous week, it was approximately 10.30°F warmer on average, and rained about 0.39 inches less. There has been 0.40 inches of rain accumulated in June, after 3.04 inches for the month of May.

CMMCP Mosquito Summary-

**Target Species Δ From Predominant Trap Site(s)
Last Year**

<i>Aedes vexans</i>	+41.67%	Chelmsford, Acton
<i>Coquillettidia perturbans</i>	+10200%	Hudson, Southborough, Chelmsford
<i>Culiseta melanura</i>	-39.29%	Gardner
<i>Ochlerotatus canadensis</i>	-12.71%	Boxborough, Acton, Bolton
<i>Culex</i> Species	+320.0%	Chelmsford, Holliston, Hopedale
All Species	+47.64%	Littleton, Chelmsford, Hudson

The predominant mosquito for the week was *Coquillettidia perturbans* followed by *Ochlerotatus excrucians*.

General narrative

The temperatures for EPI week 23 averaged approximately 10.30°F warmer than the previous week, with 0.38 inches of precipitation observed. The adult emergence of *Coquillettidia perturbans* has continued to be observed, as well as significant numbers of *Ochlerotatus canadensis* and *Ochlerotatus excrucians*. *Coquillettidia perturbans* was most abundant mosquito species for the week, followed by *Ochlerotatus excrucians*. Increasing temperatures and additional emergence should contribute to higher collections moving forward. Gravid traps have yet to be deployed. *Aedes albopictus* surveillance using ovitraps has recently started.