

Central Mass. Mosquito Control Project
Weekly Report- 6/3/18-6/9/18
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	4	19	12	28	58	250
Total Specimens	13	256	24	564	511	2077
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 59.57°F with a recorded high temperature of 80.30°F and a recorded low temperature of only 46.20°F. For this week there was also a total of 0.48 inches of rain observed. Compared to the previous week, it was approximately 7.19°F cooler on average, and rained about 0.34 inches more. There has been 0.50 inches of rain accumulated in June, after 1.91 inches for the month of May.

CMMCP Mosquito Summary-

Target Species Predominant Trap Site(s)

<i>Aedes vexans</i>	Devens, Hudson
<i>Coquilleltidia perturbans</i>	Ayer, Boxborough
<i>Culiseta melanura</i>	Natick
<i>Ochlerotatus canadensis</i>	Lunenburg, Natick
<i>Culex</i> Species	Auburn, Dracut
All Species	Lunenburg, Natick

The predominant mosquito for the week was *Ochlerotatus canadensis* followed by *Culex*.

General narrative: The temperatures for EPI week 23 averaged approximately 7.19 degrees cooler than the previous week, with 0.48 inches of precipitation observed. This was the first full week of mosquito surveillance and first week obtaining pools for arbovirus testing. The populations of all target mosquito species are much higher this year than last. *Ochlerotatus canadensis* was the most abundant mosquito species during EPI week 23, followed by *Culex* mosquitoes. Select surveillance traps have already been collecting significant *Coquilleltidia perturbans* specimens. This emergence should continue across the CMMCP service area over the next couple of weeks. Sixty-one eggs were collected from local ovitraps this week as part of the *Aedes albopictus* surveillance effort.