Central Mass. Mosquito Control Project
Weekly Report- 6/10/18-6/16/18
EPI Week #24

Cumulative Surveillance Summary

Target Species	*Ae. vex*	*Cq. per*	*Cs. mel*	*Oc. can*	*Culex*	All Species
No. Pools	4	61	18	49	127	485
Total Specimens	13	1681	39	759	2206	5870
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 64.84°F with a recorded high temperature of 78.6°F and a recorded low temperature of only 50.0°F. For this week there was also a total of 0.02 inches of rain observed. Compared to the previous week, it was approximately 5.27°F warmer on average, and rained about 0.46 inches less. There has been 0.52 inches of rain accumulated in June, after 1.91 inches for the month of May.

CMMCP Mosquito Summary-

Target Species	Δ From Last Week	Δ From Last Year	Predominant Trap Site(s)
Aedes vexans	-100.0%	-66.67%	N/A
Coquillettidia perturbans	+456.6%	+1500%	Stow, Sherborn
Culiseta melanura	-37.50%	+160.0%	Stow, Webster
Ochlerotatus canadensis	-65.43%	-23.49%	Leominster, Clinton
Culex Species	+231.7%	+135.7%	Marlborough, Worcester
All Species	+82.62%	+73.87%	Stow, Sherborn

The predominant mosquito for the week was *Culex* species,
followed by *Coquillettidia perturbans*.

General narrative:
The temperatures for EPI week 24 averaged approximately 5.27 degrees warmer than the previous week, with only 0.02 inches of precipitation observed. Overall collection numbers this week were significantly higher than EPI week 23. They have also been higher compared to last season. Both *Culex* species and *Coquillettidia perturbans* experienced significant increases this week. *Culex* species was the most abundant mosquito, followed now by *Cq. perturbans. Coquillettidia perturbans* should continue to increase over the next several weeks. The previous week (EPI week 23) produced a final total of 326 mosquito eggs through ovitraps as part of the *Aedes albopictus* surveillance effort.