## **CMMCP WEEKLY SURVEILLANCE REPORT**



EPI week #27 June 30 – July 6, 2019

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## **Central Mass. Mosquito Control Project** Weekly Report- 6/30/19-7/6/19 EPI Week #27

**Cumulative Surveillance Summary** 

Target Species	Ae. vex	Cq. per	Cs. mel	Oc. can	Culex	All Species
No. Pools	41	216	91	147	284	1406
Total Specimens	266	19507	736	3338	3694	29953
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 75.49°F with a recorded high temperature of 95.70°F and a recorded low temperature of only 59.90°F. For this week there was also a total of 1.91 inches of rain observed. Compared to the previous week, it was approximately 1.19°F warmer on average, and rained about 1.49 inches more. There has been 1.68 inches of rain accumulated in July, after 3.04 inches for the month of June.

## **CMMCP Mosquito Summary-**

Target Species

Target Species	Δ From	<b>∆</b> From	Predominant Trap Site(s)	
	Last Week	Last Year		
Aedes vexans	-96.04%	+888.9%	Devens, Dracut	
Coquillettidia perturbans	-20.33%	+61.41%	Tewksbury, Southborough, Dracut	
Culiseta melanura	+00.00%	+832.9%	Tewksbury, Gardner, Leominster	
Ochlerotatus canadensis	-56.78%	+93.28%	Gardner, Lunenburg	
Culex Species	-45.59%	-72.59%	Gardner, Westford	
All Species	-29.26%	+0.500%	Tewksbury, Southborough, Dracut	

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

**General statement**: The temperatures for EPI week 27 averaged approximately 1.19°F warmer than the previous week, with 1.91 inches of precipitation observed. Unexpectedly, none of the target species were observed in greater numbers than the previous week. Coquillettidia perturbans was once again the most abundant mosquito species for the week, followed by Culex. Continued emergence of Coquillettidia perturbans should contribute to higher overall collections moving forward. All target species have all been collected in higher numbers this year compared to last, except for Culex. There have been zero mosquito pools from the CMMCP service area that have tested positive for mosquito-borne disease. There were no egg papers collected for Aedes albopictus surveillance during EPI week 27.

Service requests are 62.4% greater than the 16 year average (6,454 vs. 10,485) but 12.4% lower than 2018 numbers (11,789 vs. 10,485). With the holiday shortened week, service requests dropped 20.6% from Epi week 26 to 27 (1,059 vs. 878). 730 service requests were closed out in EPI week 27 over the 2 scheduled nights; 8,187 have been closed to date from a total of 10,503 received (28.2% open). Work crews have been performing catch basins treatments in all member communities for *Culex* control. 6,522 catch basins were treated in Epi week 27, bringing the total for the year to 61,005.

## Aedes albopictus Surveillance Data

	# Ovitraps	# Eggs
EPI Week #22	31	4
EPI Week #23	21	221
EPI Week #24	33	530
EPI Week #25	37	1294
EPI Week #26	37	1100
EPI Week #27	-	-













