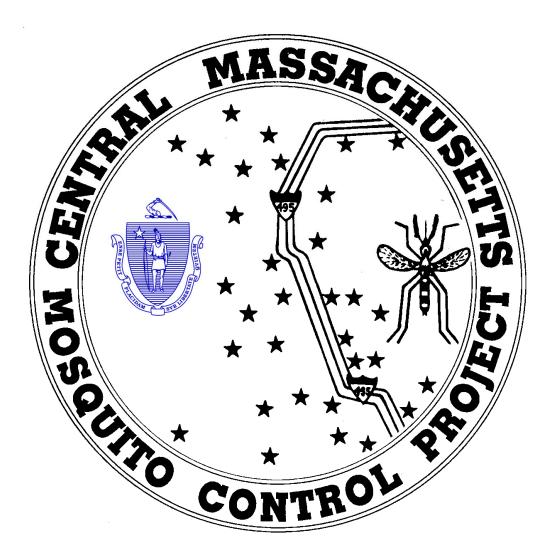
CMMCP WEEKLY SURVEILLANCE REPORT



EPI week #32 Aug. 2-8, 2020

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Central Mass. Mosquito Control Project Weekly Report- 8/2/20-8/8/20 EPI Week #32

Cumulative Surveillance Summary

Target Species	Ae. vex	Cq. per	Cs. mel	Oc. can	Culex	All Species
No. Pools	134	599	83	190	393	2800
Total Specimens	1663	30654	295	2812	3165	44280
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 75.04°F with a recorded high temperature of 92.40°F and a recorded low temperature of only 58.70°F. For this week there was also a total of 1.79 inches of rain observed. Compared to the previous week, it was approximately 4.90°F cooler on average, and rained about 1.77 inches more. There has been 1.79 inches of rain accumulated in August, after 1.06 inches for the month of July.

CMMCP Mosquito Summary-

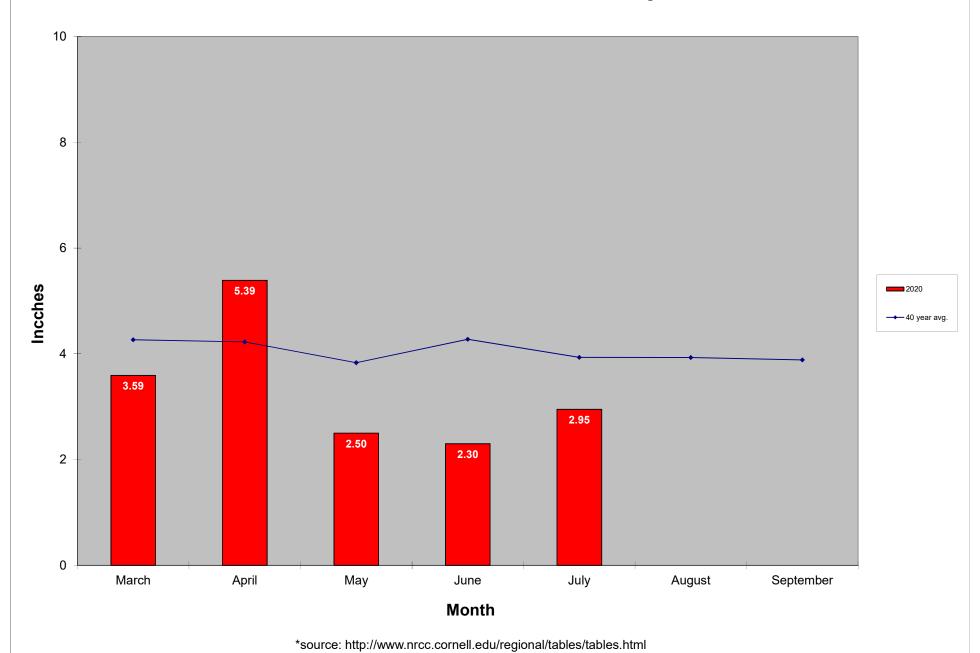
l arget Species	Δ From	ΔFrom	Predominant Trap Site(s)	
	Last Week	Last Year		
Aedes vexans	+408.1%	+210.2%	Chelmsford, Gardner	
Coquillettidia perturbans	-34.82%	-79.51%	Hopkinton, Grafton	
Culiseta melanura	+33.33%	-80.29%	Tewksbury	
Ochlerotatus canadensis	-5.880%	-47.53%	Gardner	
Culex Species	+1.920%	-72.03%	Westford, Littleton	
All Species	-17.23%	-75.46%	Hopkinton, Chelmsford	

The predominant mosquito for the week was *Coquillettidia perturbans*, followed by *Aedes vexans*.

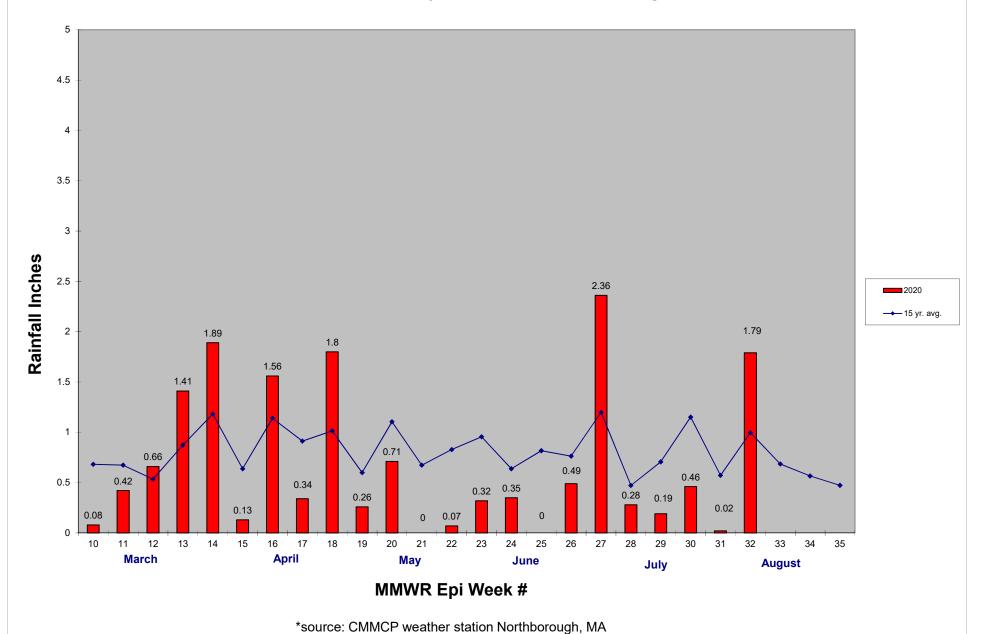
General narrative: The average temperature for EPI week 32 was approximately 4.90°F cooler than the previous week, with 1.79 inches of precipitation observed. This week decreased emergence was observed for *Ochlerotatus canadensis* and *Coquillettidia perturbans* (the third consecutive week of decline in the CMMCP service area). Despite the weekly decrease, *Coquillettidia perturbans* was once again the most abundant mosquito species for the week, followed now by *Aedes vexans*. Compared to the 2019 season, overall mosquito surveillance numbers are down this year. All target species are lower this season, except for *Aedes vexans*. Every submitted mosquito pool from EPI week 31 tested negative for mosquito-borne disease. *Aedes albopictus* surveillance using ovitraps continued, with 978 eggs collected and submitted for identification this week.

Service requests are 61.7% greater than the 17-year average and a 5.2% increase over 2019 numbers. Services requests decreased 23.2% from Epi week 31 numbers. Work crews are performing catch basins treatments in all member communities for *Culex* control. 6,139 catch basins were treated in Epi week 32, bringing the total for the year to 66,696 basins. Final results are still pending from the analysis laboratories but initial results do not look positive for control in most *Cs. melanura* crypt habitat. Data is still being collected and analyzed from emergence traps in *Cq. perturbans* habitat.









ULV Service Request History Comparison 2003-2020

