

CMMCP WEEKLY SURVEILLANCE REPORT



EPI week #22
May 26 - June 1, 2019

Frank Cornine, *Field 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- 5/26/19-6/1/19
EPI Week #22

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	0	0	0	2	21	80
Total Specimens	0	0	0	2	130	148
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 61.76°F with a recorded high temperature of 87.00°F and a recorded low temperature of only 44.50°F. For this week there was also a total of 0.63 inches of rain observed. Compared to the previous week, it was approximately 0.71°F cooler on average, and rained about 0.29 inches more. There has been 0.00 inches of rain accumulated in June.

CMMCP Mosquito Summary-

Target Species	Δ From Last Year	Predominant Trap Site(s)
<i>Aedes vexans</i>	-100.00%	N/A
<i>Coquilleltidia perturbans</i>	-100.00%	N/A
<i>Culiseta melanura</i>	-100.00%	N/A
<i>Ochlerotatus canadensis</i>	-71.43%	Millbury
<i>Culex</i> Species	-61.42%	Auburn, Worcester
All Species	-72.84%	Auburn, Worcester

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

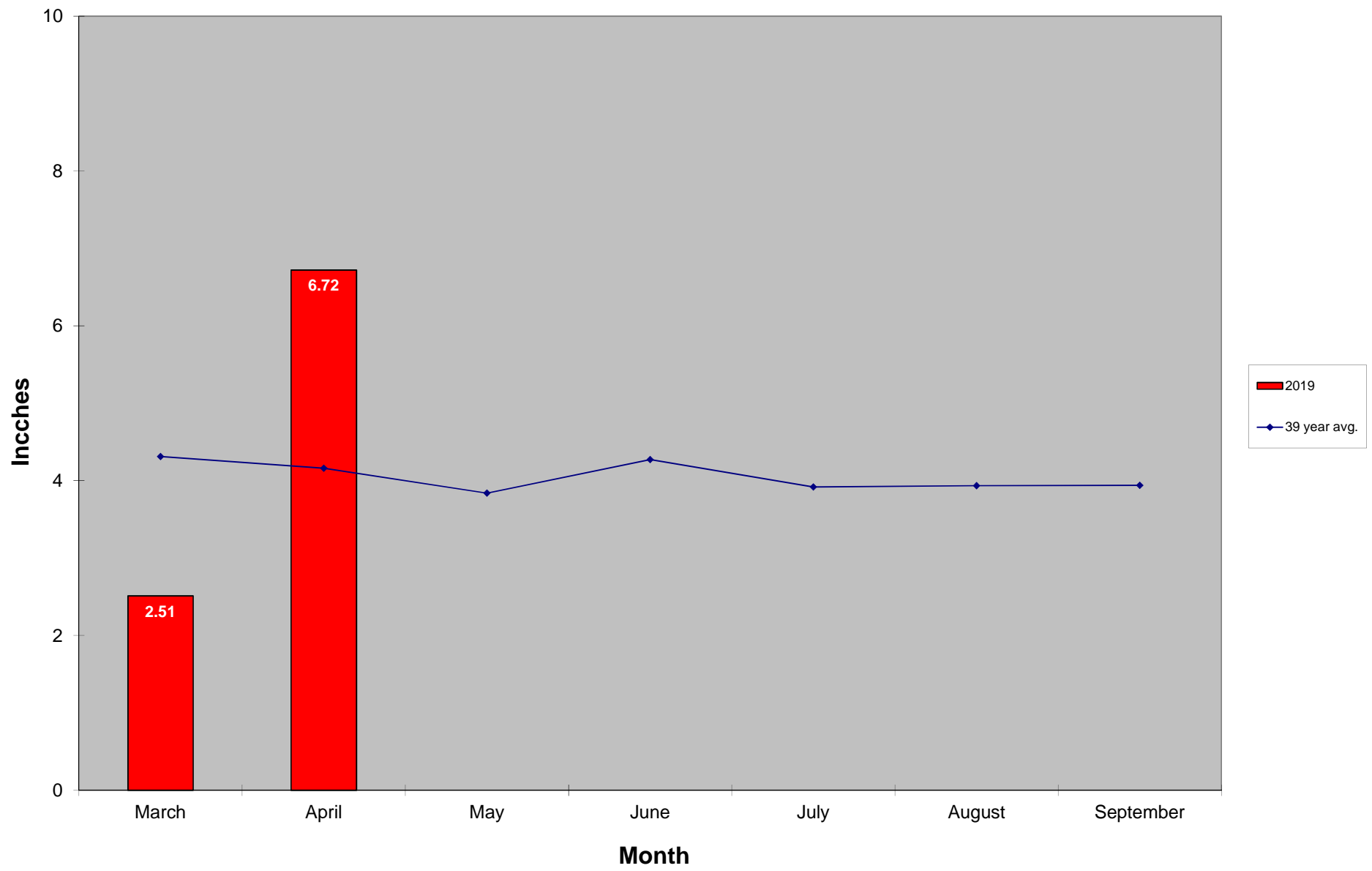
General narrative:

The temperatures for EPI week 22 averaged approximately 0.71 degrees cooler than the previous week, with 0.63 inches of precipitation observed. This was the first week of mosquito surveillance. The populations of all target mosquito species are much lower this year than last season. *Culex* was the most abundant mosquito, followed by mosquitoes *Ochlerotatus canadensis*. Surveillance traps did not collect any *Aedes vexans*, *Coquilleltidia perturbans*, or *Culiseta melanura*. Increasing temperatures and additional emergence should contribute to higher collections moving forward.

Service requests started out 97.7% greater than the 16 year average (3,707 vs. 1,875) but 42.6% lower than 2018 numbers (5,287 vs. 3,707). Work crews have been performing catch basins treatments in 2018 WNV areas. ULV spraying has started as of June 3, 2019. Cooler average temps and daytime winds have not impacted this program to any

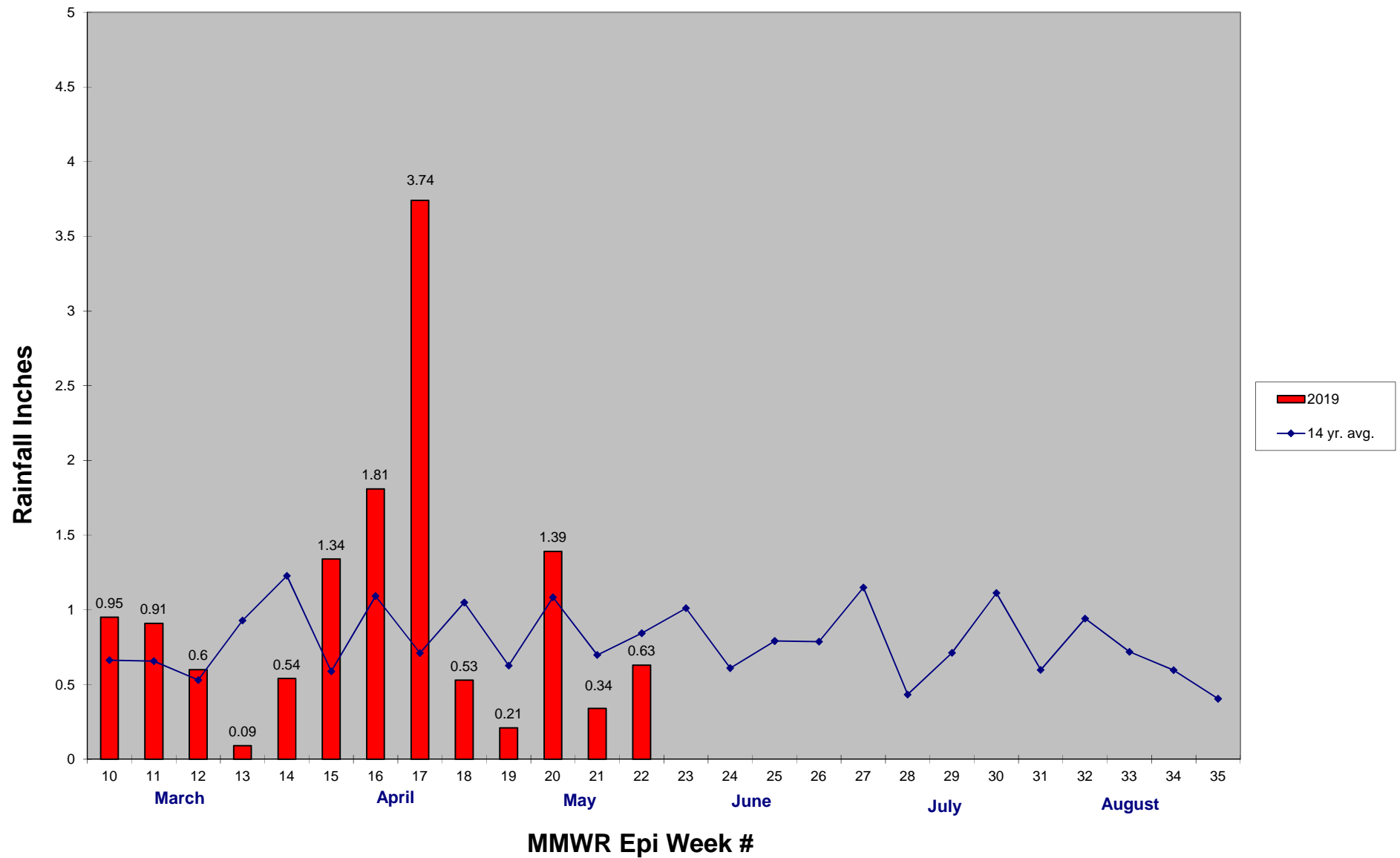
great extent. Catch basin treatments will continue throughout the summer months. Our tire recycling program has been scaled back a bit but will continue as time and staff availability dictate.

2019 Mass. Rainfall Data vs. 39 Year Average*



*source: <http://www.nrcc.cornell.edu/regional/tables/tables.html>

2019 CMMCP Weekly Rainfall vs. 14 Year Average*



*source: CMMCP weather station Northborough, MA

ULV Service Request History Comparison 2003-2019

