



Why you should participate in LMCA's free insecticide resistance program

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MOSQUITO ABATEMENT

ST. TAMMANY PARISH

On the cover: Marisol Mosqueda pooling mosquitoes for arbovirus testing. Above: Screenshot captured of Entomologist Nick DeLisi during his LMCA presentation given in the Insecticide Resistance session.

From the Director:

The more frequent cool fronts of November usher in a quieter routine at Mosquito Abatement offices across Louisiana. Though mosquitoes are dependent on warm temperatures for their host-seeking activity and development rate, make no mistake they are still out there! Some mosquito species hunker down in their version of hibernation for the winter, but many mosquitoes wait for those 70° F warm afternoons to ambush you at the bus stop. Both types of our adult mosquito operations (i.e., trucks and aircraft applications) are also dependent on warmer temperatures. Although these cooler temperatures "cool-down" our control operations, planning and training for next year's operations are starting to "heat-up".

Every year, the Louisiana Mosquito Control Association (LMCA) holds their annual conference during the first week of December. During the 63-year history of the LMCA, 2020 was the first year this event was not held in-person. Instead, our state organization met via Zoom Webinar on December 8 & 9. Forty-three presentations over nearly nine hours educated and updated LMCA members on challenges facing mosquito management,

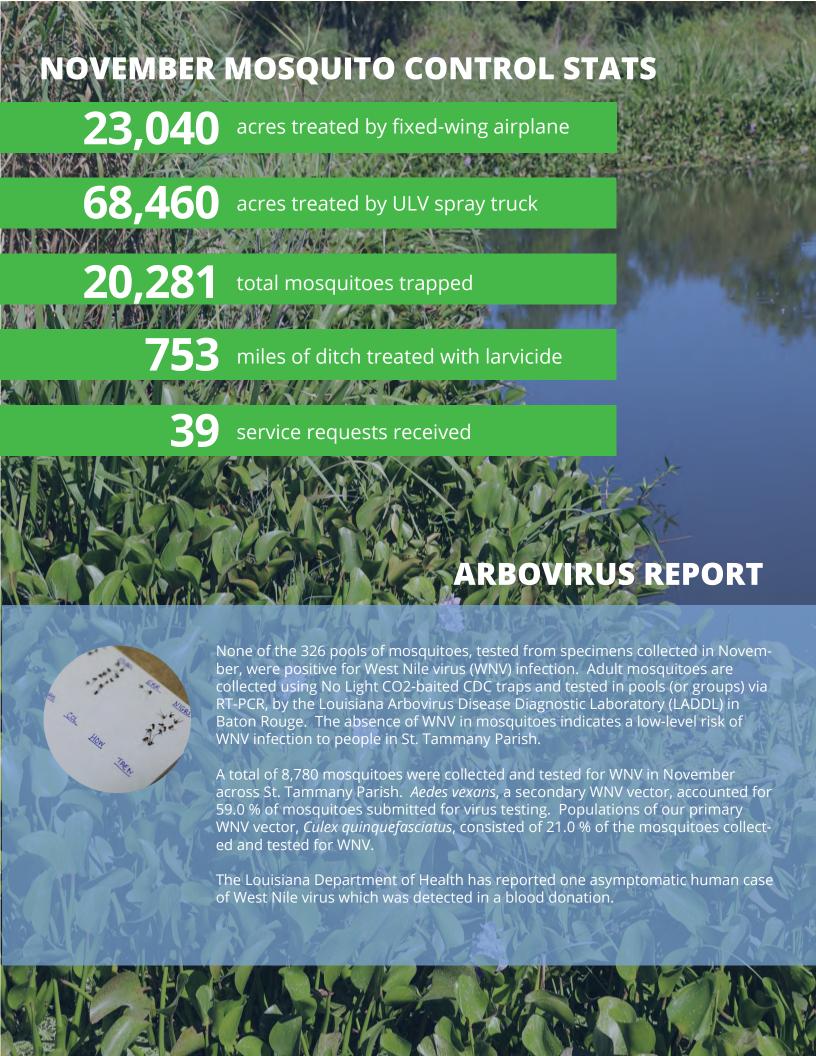
new research advances, and general safety standards. St. Tammany Parish Mosquito Abatement had a large part in the planning, execution, and participation of this event. STPMAD personnel presented five separate

talks on our accomplishments this year. Our Education and Public Outreach Coordinator, Jennifer Bushnell, produced an excellent magazine-quality conference program. Given the travel-associated costs, STPMAD usually sends fewer than ten employees to this conference each year. Since the registration costs were minimal given the online format, this year all our daytime operations and administrative staff (thirty-three employees) participated.

Though we hope to see our LMCA counterparts in-person next year, we hope to continue a new virtual tradition so that more of our staff can benefit from this event each year. We are all too happy to put 2020's mosquitoes to bed, meanwhile we'll start planning how to do next year better!



Yours in health,



How Bad are the Mosquitoes?

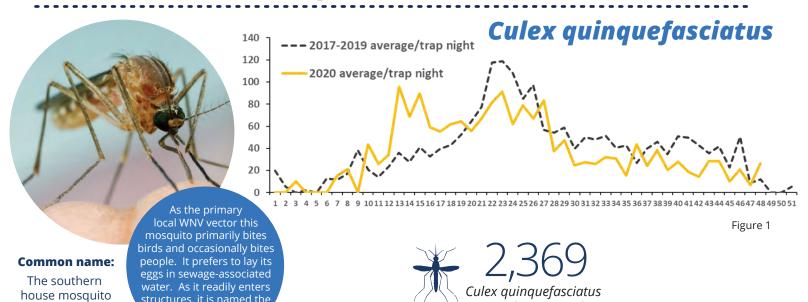
structures, it is named the

"house" mosquito.

house mosquito

SLE mosquito

and SLE vector.



trapped in November

Culex salinarius 250 --- 2017-2019 average/trap night 2020 average/trap night 200 150 100 50 A serious pest Figure 2 fresh to brackish marshes. It frequently bites large mammals including **Common name:** people and birds. Consid-The brackish ered an important Culex salinarius marsh mosquito secondary WNV vector. trapped in November

