

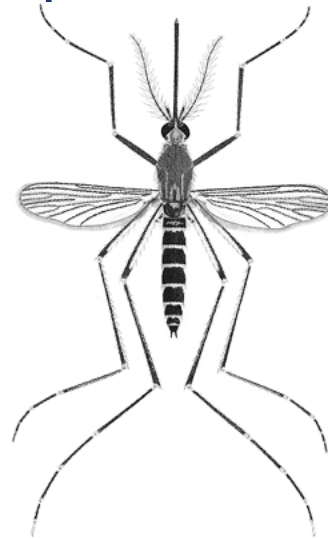


An Introduction to the AMCA

Daniel Markowski, PhD

Technical Advisor

American Mosquito Control Association





What is AMCA?

- The American Mosquito Control Association is a non-profit scientific and educational professional association.
- Our mission is to enhance health and quality of life through the suppression of vector-transmitted diseases and reduction of mosquitoes and other public health pests by providing leadership, information, collaboration, tools, and education.

www.mosquito.org





AMCA Regions

- **NORTH ATLANTIC:** Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont;
- **MID-ATLANTIC:** Delaware, District of Columbia, Maryland, North Carolina, Virginia, West Virginia;
- **SOUTH ATLANTIC:** Alabama, Florida, Georgia, South Carolina, Puerto Rico, U.S. Virgin Islands;
- **NORTH CENTRAL:** Illinois, Indiana, Iowa, Kentucky, Michigan, Minnesota, Missouri, Ohio, Tennessee, Wisconsin;
- **SOUTH CENTRAL:** Arkansas, Louisiana, Mississippi, Oklahoma, Texas;
- **WEST CENTRAL:** Colorado, Kansas, Nebraska, New Mexico, North Dakota, South Dakota, Utah, Wyoming;
- **NORTH PACIFIC:** Alaska, Idaho, Montana, Oregon, Washington;
- **SOUTH PACIFIC:** Arizona, California, Hawaii, Nevada, Guam;
- **INTERNATIONAL REGION:** All countries other than the United States and Territories of the United States.
- **INDUSTRY:** In addition to our geographic regions, the mosquito control industry is represented.



One Big Change at AMCA



- Dan Markowski became the new Technical Advisor in April.
- Dave Brown is our Special Projects coordinator; currently working to validate a new risk assessment model
- Do you know who your Regional Director is?



Meet Your Technical Advisor Dan Markowski

When the Technical Advisor position was created in 1999, I never could have envisioned myself where I am now. I'm humbled but excited to work with the many members and partners of our Association for the many years to come.

I'll be working on many of the same issues as Dave and Joe. Together I'm confident we'll continue Dave's hard work on the various issues facing our industry. Some of which include:

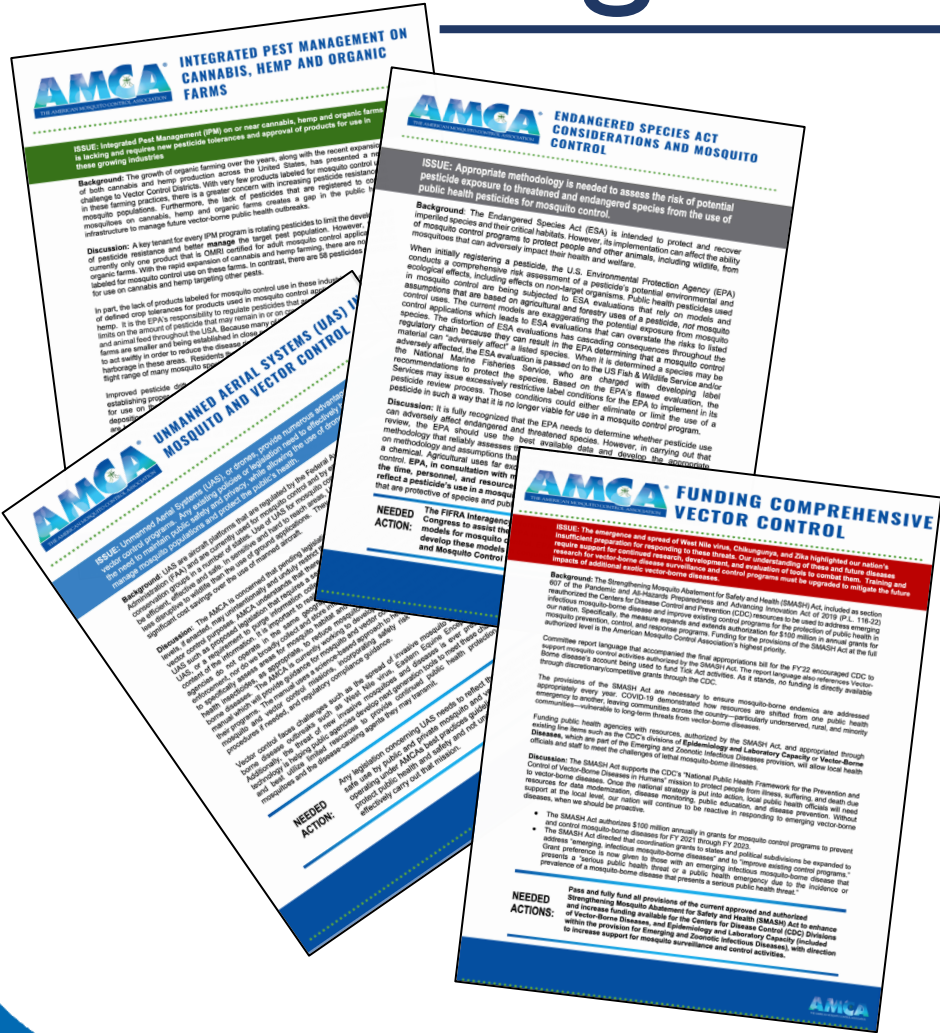
- The many legislative and regulatory issues involved with re-registering all the control products we use,
- Addressing the many issues surrounding the Endangered Species and Clean Water Acts,
- Working with the Public Relations committee to educate the public and regulatory stakeholders on all the good things we do,
- Partnering with other organizations such as CDC, NEHA, NACCHO and RISE to advance a One Health agenda ensuring we all work towards the same public health goals,
- Determining which bourbon truly does make the best old fashioned.



Don't hesitate to contact Dan at amca.ta@mosquito.org.



Washington Conference Highlights



- Had an impressive list of speakers from FWS, EPA, NMFS, RISE, VBDN, CDC, and more
- Learned about a variety of Issues facing our industry from the people that know them best
- Conducted in-person and virtual Hill visits
- Great opportunity to make a difference



Legislative Advocacy Paid Off



- Included in the Senate’s Labor, Health and Human Services, Education, and Related Agencies report, was funding language that nearly mirrored our FY23 request.
- Also had very favorable language in the House Interior and Agriculture Bills
- We need your help to communicate with your members of Congress the need to sustain the language we have in the current bills.



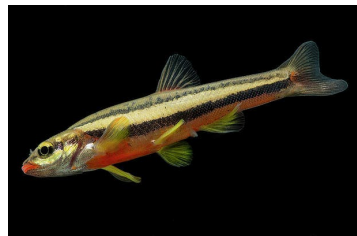
Modeling of Adulticide Applications



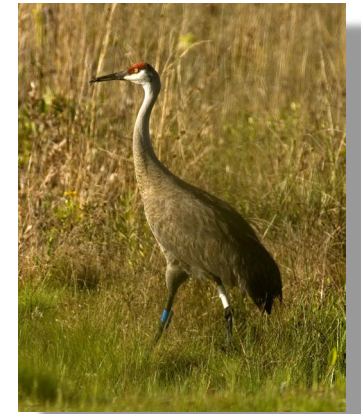
- We feel current EPA Models do not accurately estimate the amount of product deposition after adulticide applications.
- This is important in future Risk Assessments as more products go through the registration review process
- If current Bill language remains, funding would be available to validate input parameters to the AdDrift model.



FWS & NMFS ESA PROTECTIONS COMING



Taxon	Taxon/Species
Amphibians	Houston Toad
Amphibians	Wyoming toad
Birds	Attwater's greater prairie-chicken
Birds	Florida grasshopper sparrow
Birds	Mississippi sandhill crane
Clams	Chipola slabshell
Clams	Gulf moccasinshell
Clams	Heavy pigtoe
Clams	Shinyrayed pocketbook
Fishes	Laurel dace
Fishes	Spring pygmy sunfish
Fishes	Vermilion darter
Flowering Plants	Aboriginal Prickly-apple
Flowering Plants	Fragrant prickly-apple
Insects	Florida leafwing butterfly
Insects	Lange's metalmark butterfly
Insects	Miami tiger beetle
Insects	Puritan tiger beetle
Insects	Schaus swallowtail butterfly
Mammals	Alabama beach mouse
Mammals	Southeastern beach mouse
Mammals	St. Andrew beach mouse





Final Language to be included in Bulletins Live! Two

Fish & Wildlife Services

For any pesticide use limitation area (PULA) defined for a species where a measure is needed to avoid a Jeopardy/adverse modification opinion:

Where feasible, avoid application. If avoidance is not feasible or impairs the ability of the mosquito control district or agency to protect the public's health and welfare, coordinate with the local FWS ecological services field offices to determine appropriate measures to ensure the proposed application is likely to have no more than minor effects on the species (FWS points of contact are available through the information, planning, and consultation (IPaC) website <https://ecos.fws.gov/ipac/>). The applicator must retain documentation of the technical assistance in the agreed-upon species-specific measures that were implemented.

National Marine Fisheries Service

No restrictions.
Apply adaptive management if usage is different than assumed.

Monitoring an adaptive management of wide area mosquito adulticide treatments with chlorpyrifos.

EPA shall, in close coordination with the NMFS office of protected resources, develop and implement an effectiveness monitoring plan to ensure that current product labeling does not result in an unanticipated level of wide area mosquito control application in close proximity to ESA-listed species habitats. The purpose of this conservation measure is to maximize flexibility for mosquito control operations while reducing risk to ESA-listed species. Comprehensive reporting just needed to monitor the effectiveness of current labeling to address the risk of this use to ESA-listed species, into apply adaptive mitigation if assumptions of limited impacts are incorrect or if usage patterns change over time.

Once this plan is developed, EPA shall begin providing an annual report to NMFS that summarizes all wide area mosquito applications within each species range. At a minimum, annual reports shall include the number of applications, location of each application identified by latitudinal and longitudinal coordinates, and area of each treatment (e.g. acres).


NMFS will review annual reports to determine if any species specific or location specific adaptive management is necessary if usage reports suggest an unanticipated level of a fix may occur from wide area mosquito applications, NMFS will contact EPA about the need for adaptive management and potentially the need to re-initiate consultation on mosquito control applications.






Best Management Practices Manual *Culex* Update



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- Funded by CDC
- The *Culex* update was completed last year.
- Who has downloaded it?



Mosquito Management During a Public Health Emergency -- Update



- Again, funded by CDC
- Will be an essential resource when preparing for and responding to Mosquito-driven Public Health Emergencies
- Published Sept. 28, 2022



Training Series Upcoming in 2023



- Planning CDC-funded training sessions
- In-person and Virtual events covering a variety of mosquito surveillance and control topics
- One of the primary resources requested in the last member survey
- Details still be worked on



Annual Washington Conference



- Tentatively planned for May 15, 2023
- What issues matter to you? Make them matter to Congress.
- Will build on 2022's successful program and expand our advocacy efforts.
- Call/email Dan or Angela Beehler for more information.



AMCA Annual Meeting – Reno, NV

- AMCA's 89th Annual Meeting
- February 27 – March 3, 2023
- The Grand Sierra Resort & Casino
- Network with Colleagues from around the world





I need you! To help me...



- What do you want to get out of AMCA?
- Joining a Committee is a great way to shape the future of your Association.
- If you're involved and tell me what you or your colleagues need out of AMCA, together we can make it a reality.



Thank You for your time.

Daniel Markowski, PhD

Technical Advisor

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