RESIDENTIAL MOSQUITO CONTROL ISSUES AND RESOLUTIONS

ASPCRO

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OFF-TARGET MOSQUITO ADULTICIDING

- Complaints and inquiries on the rise
- Primarily private property adulticiding
- Concerns about:
 - Pets
 - Humans
 - Pollinators and wildlife



BIFEN I/T

• Mosquitos: To control mosquitos around buildings, landscapes, and lawns, dilute 0.33 to 1.0 fl. oz. per gallon of water and use one gallon of dilution per 1000 sq. ft. as a general spray. Bifen I/T can be mixed at lower concentrations and applied at higher volumes to ensure application of proper amounts of product to a given area (refer to the Ornamental or Perimeter Application Charts).

OTHER RESIDENTIAL MOSQUITO LABELS:

- "apply as a low-pressure spray(do not exceed 50 psi at nozzle tip)"
- "high volume applications using <u>power sprayers</u>"
- "treat with spray or mist"
- "apply as a general spray"

OTHER RESIDENTIAL MOSQUITO LABELS:

- "Do not apply this product or allow it to drift to blooming crops or weeds if bee are visiting the treatment area"
- "Do not apply this product or allow it to drift to blooming plants or weeds if bees are foraging"

OTHER RESIDENTIAL MOSQUITO LABELS:

- "Do not allow contact with treated surfaces by people or pets before spray has dried"
- "Do not apply when wind speeds exceeds 10 mph"





SFIREG HAS ASKED EPA:

- Does "general spray, etc." describe the application technology being used for residential mosquito control? (backpack power mist blowers)
 - Some equipment specs. tout up to 300 psi application pressure
- Did the EPA product registration risk assessments for these insecticides account for off-target drift from power mist blowers?
- If adequate risk assessments & drift evaluations have not been performed, what is EPA's plan to address this in future registration actions for these products?
- If EPA believes risks have been adequately assessed, what guidance can EPA provide to help states assure the public they are being protected?

INFORMAL RESPONSES FROM EPA TO DATE:

- A draft response is being reviewed within EPA & should be forthcoming.....? (May 31, 2022)
- Power misters specifically do not appear in any current application method assessments.
- EPA is conducting consensus building about how best to fit power misters into existing assessments.

• EPA's draft response to the issue paper is still under review by management, but I'm trying my best to usher it along....(July 18, 2022)

INTHE MEANTIME INDIANA IS:

- Proactive committee working on educational efforts
- Incorporating mosquito content into applicator
 CCH programs
- PPP publication under development
 - "Adult Mosquito Control With Backpack Mist Blowers Creating Barriers for Homeowners' Green Space"
- Incorporating mosquito content into certification training & exam

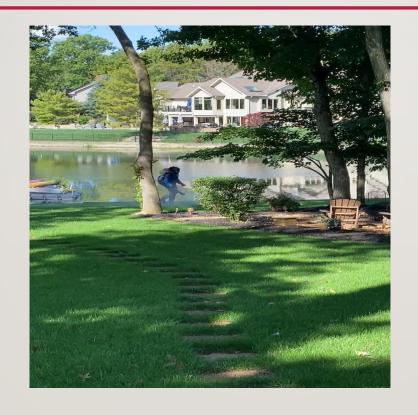
PURDUE PESTICIDE PROGRAMS (PSEP)

- "Adult Mosquito Control With Backpack Mist Blowers
 -Creating Barriers for Homeowners' Green Space"
- Fred Whitford, Director, Purdue Pesticide Programs
- Lee Green, Senior Medical Entomologist, Indiana Department of Health
- John Obermeyer, Integrated Pest Management Specialist, Purdue University
- Joe Becovitz, Pesticide Program Specialist, Office of Indiana State Chemist
- George Balis, Entomologist and Regional Manager, Clarke Mosquito
- Mark Sybouts, Sales and Development Manager, Advance Turf Solutions
- Bob Andrews, Executive Director, Indiana Professional Lawncare Association
- Kevin Leigh Smith, Communication Specialist, Purdue Agricultural Sciences Education and Communication

DRAFT CONTENT INCLUDES:

- Introduction
- Mosquito Biology—Explains Why We Do What We Do
- Turning Down A Customer's Request For Mosquito Treatments
- Residential Treatments Focus on Bite Reduction, Not Disease Prevention
- Have A Plan Before Strapping On Your Backpack Mist Blowers
- Water, Water Everywhere
- Product Characteristics—Effectiveness, Repellency, and Longevity
- Adult Mosquito Control Relies on Backpack Mist Blowers
- Think Shade When Spraying
- Keep Applications Off Of Neighbors Property
- The Label—A List of Do's and Don'ts
- Resistance Management
- Indiana Certification Requirements for Commercial Mosquito Applications
- Conclusions

TRAINING VIDEO



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