

RESIDENTIAL MOSQUITO CONTROL ISSUES AND RESOLUTIONS

- **ASPCRO**

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OFF-TARGET MOSQUITO ADULTICIDING

- Complaints and inquiries on the rise
- Primarily private property aduIticiding
- 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 power sprayers”**
- **“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”**



POWER SPRAYER/MIST
BLOWER



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)***

IN THE 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 Lawn care 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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