



MOSQUITO AND GENERAL PEST CONTROL

ER-3TM by **EcoRaider**

Adulticide + Larvicide + Spatial Repellent

A Triple-Action **GREEN** Formula for the Next Generation of Mosquito & General Pest Control

Residential • Commercial • Public Health • Special Events



EcoRaider[®]

High Efficacy and Low Cost

THE NEXT GENERATION OF MOSQUITO & GENERAL PEST CONTROL

Triple Action Formula

- ▶ Triple-action total mosquito control
- ▶ Kills adult mosquitoes on contact
- ▶ Kills mosquito larvae with residual
- ▶ Delivers lasting spatial repellency
- ▶ Total protection in one application

Flexible Uses

- ▶ Dilutable by 4-8oz per finished gallon
- ▶ Other dilution ratios also available
- ▶ Effective on a broad spectrum of insects
- ▶ Compatible with multiple equipment types
- ▶ Ability to use in all environments

Maximize Revenues

- ▶ Expand service offerings
- ▶ Low cost : \$2-4 per finished gallon
- ▶ No need for separate larvacide treatment
- ▶ Reduces overall product expenses
- ▶ Reduces call-backs from customers

Low Impact Green Formula

- ▶ 25b exempt minimum risk product
- ▶ Safe around kids and pets
- ▶ Safe for plants, fish and wild animals
- ▶ Low odor, low impact and non-staining
- ▶ Does not require spray notification

USE IN ALL ENVIRONMENTS, EVEN SENSITIVE ONES

“Sensitive” accounts can often be difficult to treat efficiently. ER-3 by EcoRaider is green, effective and affordable and can help increase mosquito program revenues. This triple-action formula is a 25b exempt product does not require spray notifications. Consider expanding your service offerings to include special events and more...



BACKYARDS



OUTDOOR PARTIES



BARBECUES



SCHOOL YARDS



DAYCARE CENTERS



PARKS & PLAYGROUNDS



WEDDINGS



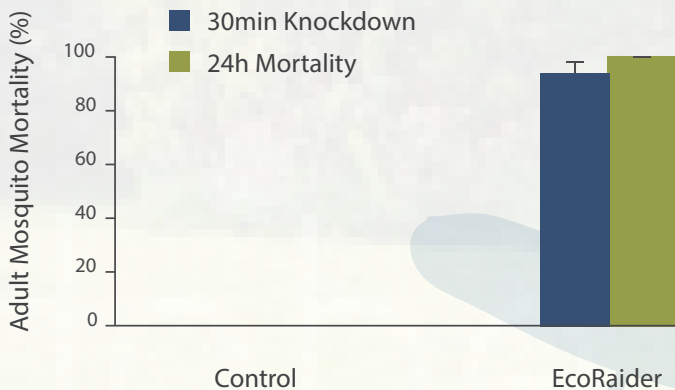
FESTIVALS



RETENTION PONDS

Fast, Effective, Lasting and Green.

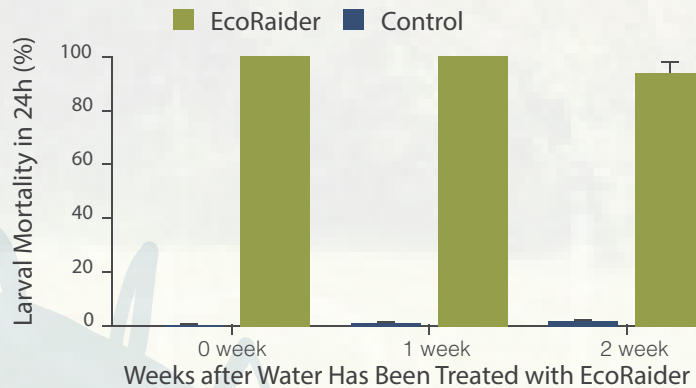
DIRECT SPRAY MORTALITY AGAINST *Aedes Aegypti*¹



- ▶ Cage study with 6.5oz/gallon dilution
- ▶ “Observed 91.67% knockdown in 30 min”
- ▶ Killed all existing mosquitoes on contact
- ▶ Fast knock down and fast mortality without recovering

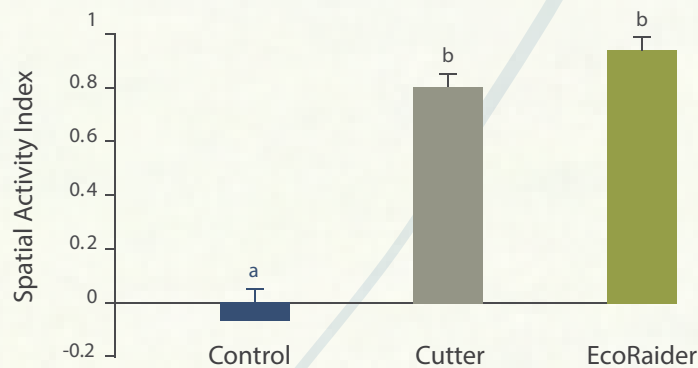
^{1, 2} : Data provided by Rutgers University.

LARVICIDAL AGAINST *Aedes Aegypti* LARVAE²



- ▶ Larvae released after water treated and aged for 1-2wks
- ▶ “In the water of one-week post treatment, 100% of larvae was killed in 24 hours.”
- ▶ “Two weeks aged water containing 0.5% strength killed 93% of larvae after 24 hours exposure.”

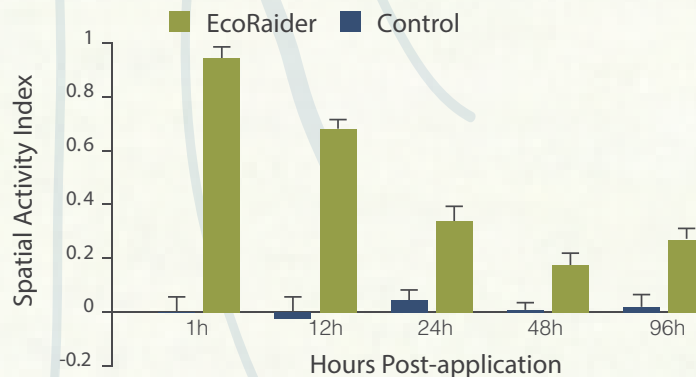
SPATIAL REPELLENCY AGAINST *Aedes Albopictus*³



- ▶ Data observed on 1- hour aged dry residual
- ▶ Significant spatial repelling activity
- ▶ Prevents mosquitoes from entering treated space
- ▶ Similar repellency as a leading repellent

³ Data tested based on WHO standard for mosquito spatial repellent

SPATIAL ACTIVITY OVER TIME vs. *Aedes Albopictus*⁴



- ▶ Effective spatial repellency after 4 days aging
- ▶ Repelling strength may reduce over time
- ▶ As part of triple-action mosquito control to provide overall protection.

⁴ Index calculated with Grieco JP et al. 2005 formula.



FIELD PROVEN PERFORMANCE!

Triple-Action Provides Three Layers of Protection

ADULTICIDE

ER-3 has fast-acting plant-based active components that quickly kill both flying and landing mosquitoes on contact with high efficacy, thus reducing mosquito activity instantly.



BARRIER

As an important mosquito control strategy, particularly for an outdoor area or event, spatial repellency builds up invisible barrier and keeps mosquitoes away from a treated space.



LARVICIDE

When applied to mosquito breeding areas, ER-3 kills 100% of the existing and newly hatching larvae with a lasting residual to further cut down overall mosquito populations for two weeks or more.



"I didn't receive any callbacks on the accounts we used EcoRaider ER-3 on. Customers were pleased and said they really liked the smell of their yard after treatment. I like the idea of a 3-in-1 product because it's more cost effective."

— JR Jackson, Supervisor, Allgood Pest Solutions

"EcoRaider ER-3 worked well. I liked being able to treat drains and plantings with one product."

— Randy Martin, Manager, Hometec Exterminating



SCAN & WATCH
demo video

EcoRaider[®]



The
**Next
 Generation**
 for Mosquito
 Control

ER3 by EcoRaider, a new professional pest management product with triple-action green formula, is being introduced to help PMPs combat growing mosquito problems.

Blame it on the rain! Heavy rains and hurricanes kicked the door wide open for increased mosquito populations in 2018, and as a result, the fall was abuzz with difficult-to-control mosquito issues. The Louisiana Department of Health planned to utilize a \$1 million federal grant from the U.S. Centers for Disease Control and Prevention to help combat mosquito-borne diseases like Zika and West Nile virus. Also, the governor of North Carolina recently ordered \$4 million in funding to help battle the massive mosquito problem that arose in the state after the devastation of Hurricane Florence.

The National Weather Service reported that the majority of locations in North and Central Georgia were warmer and 3 to 6 inches wetter than normal this summer. In early September outside of Atlanta, Dekalb County public health officials announced news of two deadly mosquito-borne viruses: first, a man

was infected with West Nile virus, and second, a mosquito tested positive for Eastern equine encephalitis virus. Among many safety warnings resulting from these findings, the county officials reminded the public that standing water and tall grass and vines pose a danger to humans because they are breeding grounds and living quarters for mosquitoes.

A New Mosquito Solution

As wet weather persists, pest management professionals recognize that the need for an efficient and lasting resolution to the mosquito problem is becoming increasingly imperative to their businesses. With a well-timed November launch date, EcoRaider, located in North Bergen, New Jersey, has created a new product called ER3, which is a triple-action, breakthrough formula designed to kill adult mosquitoes on contact, kill mosquito larvae with residual and deliver lasting spatial repellency.



ER3 kills adult mosquitoes on contact, kills larvae and offers PMPs proven residual effects.

Prior to the official product launch, EcoRaider conducted successful tests of the ER3 product in several mosquito-infested areas. JR Jackson, pest control supervisor of Allgood

Pest Solutions in Atlanta, tested ER3 by EcoRaider in Duluth and Atlanta where “he gets hit the most” with huge mosquito problems. The combination of weather and mosquito issues have been “pretty brutal because we’ve had tons of rain; it’s been heavily infested with mosquitoes, especially in that area,” he says. After selecting the perfect mosquito-ridden test spots, Jackson said the product worked “really well” with both immediate and residual mosquito kill. He also received “positive feedback from the customers” and “didn’t get any callbacks.” Additionally, the technician involved with the test liked the product as well because “it seemed to have [stuck] to the shrubs better,” Jackson said.

With one troublesome test site in particular, Jackson’s crew had been required to visit the customer’s residence on a weekly basis to spray for mosquitoes. As a result, the company was losing money on this particular site because of the frequent visits. The testing of ER3 by EcoRaider at this location proved to be successful and “worked out great” because the team was not called back to the site, Jackson said. Acknowledging the importance of residual in terms of time required between mosquito treatments, Jackson says that “the customer will be calling me back if I don’t have something there for residual for future mosquitoes.” In addition to the immediate killing of mosquitoes, ER3 has been designed to provide a lasting effect.

Similarly, Randy Martin, service manager for Hometec Exterminating in Alpharetta, Georgia, was pleased with ER3 by EcoRaider and “didn’t have any callbacks” on his test sites. Martin “liked being able to treat drains and plantings with one product.” He also notes that having residual as part of mosquito control is important in reducing and eliminating callbacks. “The only way you’re not going to have callbacks with mosquitoes is if you have a pretty decent residual to keep them from being able to breed,” Martin says.

Triple Action

To kill mosquito larvae and adults, plus keep existing mosquitoes at bay, pest management professionals sometimes need to use multiple products. With its breakthrough formula, EcoRaider’s new ER3 product contains a larvicide and an adulticide in one product, enabling



PMPs who have used ER3 by EcoRaider with the 3-in-1 adulticide, larvicide and repellent application report they’ve enhanced the mosquito control service they provide their customers. The product also makes treatments easier and faster.

PMPs to knock down adult mosquito populations, as well as kill larvae. ER3 also delivers lasting spatial repellency to keep mosquitoes from the area.

Martin said he “really liked the idea that (ER3) did have a larvicide effect along with an adulticide” because two different products were not required for mosquito treatment. Normally, when Martin performs mosquito treatment, “I’ll treat with an adulticide and a larvicide.” Using ER3 by EcoRaider with the 3-in-1 adulticide, larvicide and repellent application, however, enhanced the mosquito control service provided and “made the treatment easier and faster,” he says.

Jackson, too, explains that beyond the test phase, future usage of ER3 with its triple-action formula would be easier for mosquito treatment. “What I like about it is that I wouldn’t have to keep buying another product for the standing water,” thus saving money on his bottom line. “I like the idea of a 3-in-1 product because it could cut costs,” says Jackson.

With ER3’s combination of larvicide, adulticide and repellent, the product saves pest management professionals money and time while maximizing profit with the reduction of product costs and unnecessary callbacks. Additionally, beyond mosquito control service contracts, PMPs are able to increase revenues by offering

additional services for special events, like festivals, weddings and outdoor parties.

Going Green

In addition to providing a 3-in-1 solution, ER3 is also a green pest control product. EcoRaider is all-natural, has been tried and tested for other pests, and has emerged as the leading green solution in pest management. This naturally led to the formulation of ER3 for mosquitoes. ER3 is safe to be used around children, pets and wildlife. Plus, the product has low odor, low impact and minimal risk. Jackson shares that customers “really liked the smell” of their yards after the treatment.

“Customers want green solutions as long as they work,” Jackson said. He explains that this year, more than any other, customers had been canceling pest control services because they were afraid of the potential harm found in the chemicals of the products utilized. When Jackson provides a green option for customers, however, “they jump all over it.” As a result, he concludes that the ER3 product as a green option will most likely be “a hit” with customers over the course of the next few years. “We really like the product,” says Jackson. He adds that EcoRaider could be used in his company’s mosquito program because ER3 “gives the customer a green option that we can trust and count on to work.” ●

