



DeltAGard®

Make a
Difference
with DeltaGard

- // High performance with low application rates
- // Help protect communities from mosquitoes that may carry diseases



DeltaGard® Difference – High Performance

DeltaGard insecticide outperforms the competition at lower application rates while providing the superior efficacy you need to help protect your community from mosquitoes.

Delivers Fast Knockdown & Control

- // Kills mosquitoes in as few as 10-15 minutes
- // No knockdown recovery
- // Effective against traditionally hard-to-kill mosquito species that have shown resistance to other products

Utilizes Bayer Proprietary FFAST® Technology

- // Allows for even distribution of active ingredient
- // Reduces the amount of active ingredient needed
- // Water-based formulation can be applied in both concentrated and diluted forms

Features Patented Technology

- // Utilizes patented technology (United States Patent #9,497,971) that provides superior efficacy with exceptional preservation of both droplet density in the spray cloud and droplet size
- // When applied via ULV, tests have shown that DeltaGard provides significantly superior control of pests compared to competitive adulticides
- // Delivers superior control even when applied at concentrations 20-80 times less than competitive formulations
- // Unlike competitive products, DeltaGard does not contain Volatile Organic Compounds (VOCs)

Proven & Tested

DeltaGard has been field tested by more than 25 Mosquito Abatement Districts and public health specialists throughout the United States.

DeltaGard consistently provided excellent results, outperforming competitive products that were applied at significantly higher rates. This unprecedented trial program covered 18 states, a variety of climates, diverse geographies, and assessed efficacy against more than 35 species of mosquitoes.

Did You Know?

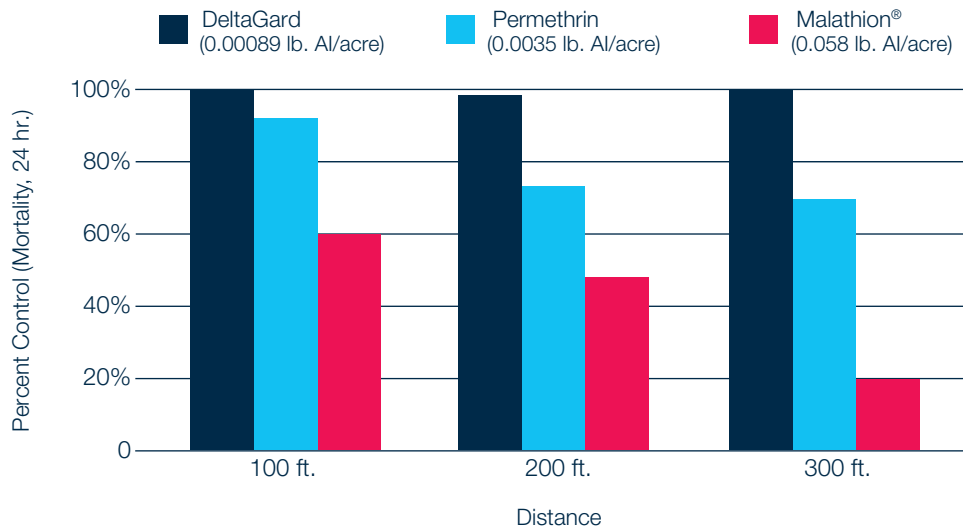
Mosquitoes are attracted to the carbon dioxide in our breath. They also sense the heat and humidity that surrounds our bodies.

smithsonianmag.com



Field Trial Results

In a Louisiana field trial, two types of mosquitoes were assessed: field-collected resistant strains of *Culex quinquefasciatus* and *Coquillettidia perturbans*. DeltaGard was applied at the low-label rate and provided excellent control.



Source: OE15USAKV5
Mosquito Abatement District, LA

Did You Know?

Deltamethrin, the active ingredient in DeltaGard, is a man-made molecule modeled after natural insecticides extracted from the chrysanthemum flower.



DeltaGard Difference – Low Application Rates

DeltaGard offers the lowest application rate (0.00045 to 0.00134 lb. per acre) vs. competitive products, significantly reducing the amount of pesticide applied to the environment.

EPA – Designated Reduced Risk for Wide Area Mosquito Control

- // DeltaGard has no Piperonyl Butoxide (PBO) or other synergist – reducing the risk for applicators, the public and the environment.
- // DeltaGard has no Volatile Organic Compounds (VOCs). VOCs are gases emitted from certain solids or liquids that may have short- and long-term adverse health effects. VOCs also contribute to ground-level ozone formation, which is a significant pollutant.
- // DeltaGard has low solubility in water, which means there is little potential to leach into groundwater.
- // DeltaGard has low odor, which benefits residents in the community and professional mosquito control experts.
- // Because DeltaGard is applied at a much lower rate versus other adulticides, it will not spot surfaces or leave behind a visible residue.
- // DeltaGard is easy to apply, easy to clean up and noncorrosive. Its proprietary FFAST® water-based formulation can be applied neat or mixed with water. Since it's noncorrosive, it's easy on equipment.

The low-label rate of DeltaGard is comparable to one aspirin-sized pellet of active ingredient dispersed over an entire football field.

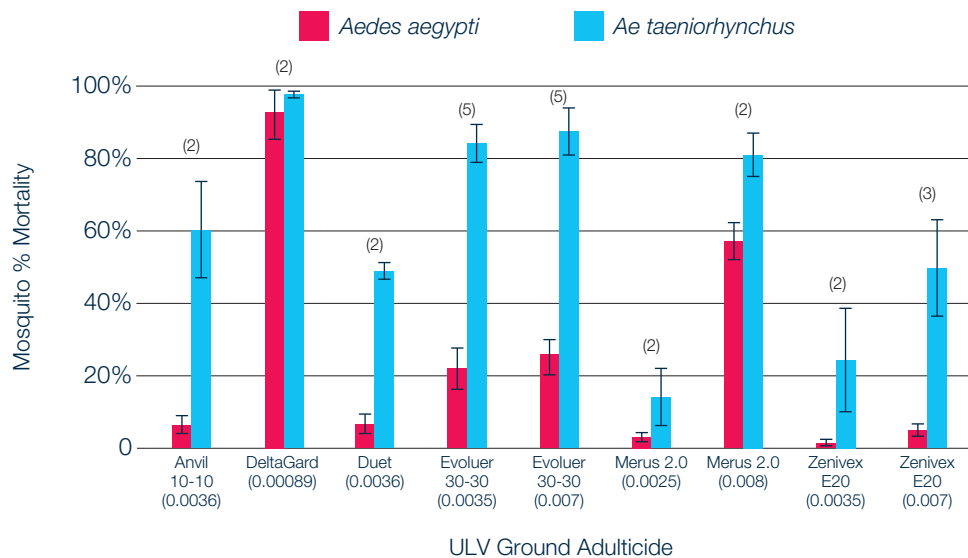


DeltaGard vs. The Competition

In a field test conducted by a Mosquito Control District in Florida, DeltaGard was shown to have higher mosquito mortality rates using a lower dose of active ingredient.

Adulticide	Application Rate Active Ingredient (lb. AI/acre)	Application Rate Tank-mix (fl. oz./acre)
Anvil® 10-10 ULV	0.0036	0.6
DeltaGard	0.00089	0.7
Duet®	0.0036	1.3
Evoluer™ 30-30 ULV	0.0035	0.7
Evoluer 30-30 ULV	0.007	1.4
Merus® 2.0	0.0025	0.7
Merus 2.0	0.008	2.5
Zenivex® E20	0.0035	0.7
Zenivex E20	0.007	1.4

Higher Mosquito Mortality Rate vs. Other Products*



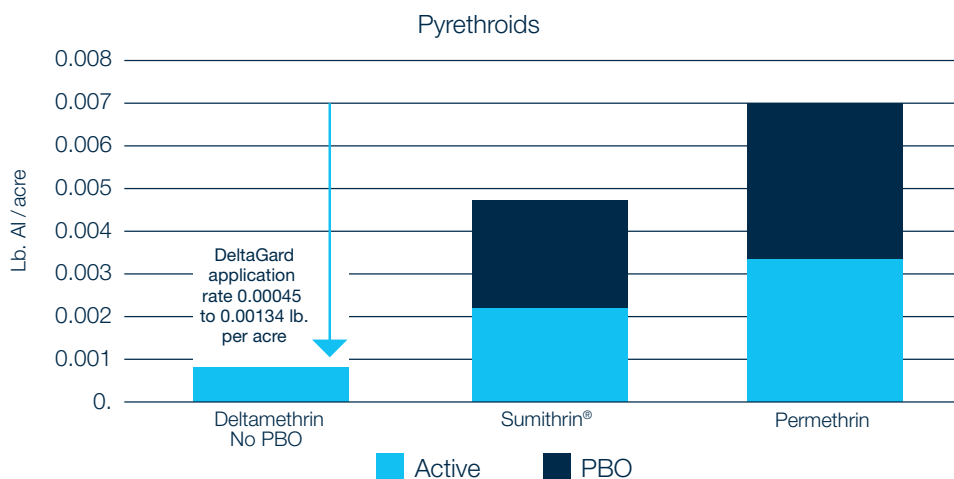
**Aedes aegypti* and *Ae taeniorhynchus* mean \pm SE percent mortality 12 hours after application of each ground ULV adulticide tested. Numbers in parentheses above bars indicate number of trials conducted for each chemical and application rate in which wind speeds met label requirements.

DeltaGard Difference – More For Less

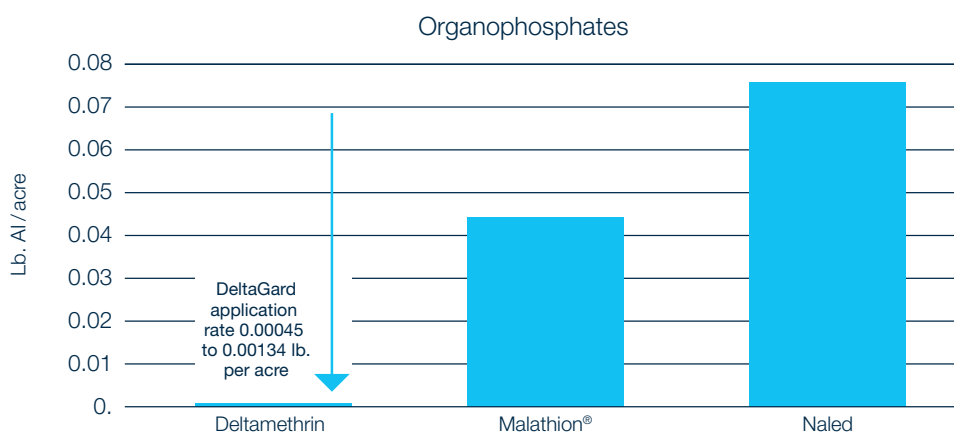
DeltaGard provides stronger efficacy, using up to 80 times less active ingredient than competitive products. The graph below compares the amount of active ingredient used with DeltaGard at the mid-label rate compared to competitive products. As the graph shows, the amount of active ingredient is significantly lower with DeltaGard.



Pounds of Active Ingredient / Acre / Treatment Mid-Label Rate, ULV Application For Adult Mosquito Control



Source: EPA published labels



Source: EPA published labels



The Bayer Commitment to Mosquito Control

Each year, mosquito-borne diseases are responsible for the deaths of more than a million people worldwide.* For over 50 years, Bayer has been working with Mosquito Control Professionals around the globe to fight against mosquitoes that carry such diseases as Chikungunya, Dengue, Malaria, West Nile and Zika.

We invest in innovative solutions, ongoing research, training, and education to help protect public health and quality of life. The same technology we use to combat mosquitoes worldwide can help protect your customers.

**WHO (World Health Organization)*



DeltA[®]Gard



Science for a **better life**

ALWAYS READ AND FOLLOW LABEL INSTRUCTIONS.

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