MOSQUITO CONTROL EVOLVED

For Reduced Risk, Choose Zenivex® Adulticides

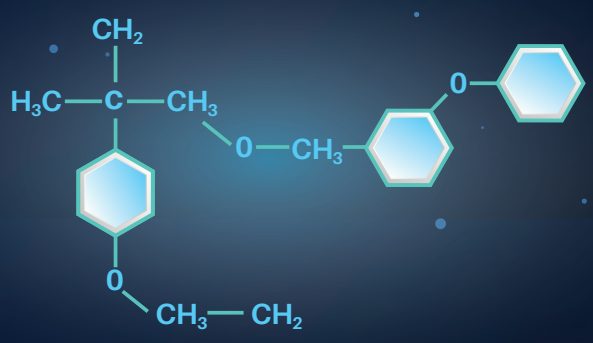
CENTRAL LIFE SCIENCES

SUPERIOR MOSQUITO DEFENSE

When mosquito populations get out of control, your community is at risk. That's why Central Life Sciences created the Zenivex® product line, a trio of innovative solutions designed to help stop an outbreak in its tracks and protect the public health. These reduced risk adulticides provide quick, permanent knockdown and reliable control of adult mosquito populations in any labeled mosquito habitat.

A MOSQUITO CONTROL TRIO EVOLVED BY INNOVATION

All Zenivex® mosquito adulticide formulations are ready-to-use for ground or aerial application, require no aquatic setbacks and have crop approval so you can spray throughout urban and rural settings. Zenivex® E20 and Zenivex® E4 are oil-dilutable formulations for use in Ultra Low Volume (ULV) applications, while Aqua Zenivex™ E20 has the efficacy and positive toxicity profile of Zenivex® products, in a water-dilutable formulation.



THE ACTIVE ADVANTAGE: ETOFENPROX

The active ingredient in Zenivex® adulticide is Etofenprox, a non-organophosphate, non-carbamate, non-ester pyrethroid with a small environmental footprint used to control adult mosquitoes. Etofenprox is a CHO compound consisting of carbon, hydrogen and oxygen that presents a low toxicity to birds and mammals, and dried foliar residues are not harmful to honey bees. The EPA has classified Etofenprox as reduced risk, making Zenivex® products the ideal choice in mosquito adulticides.

ETOFENPROX: SUPERIOR CONTROL THROUGH SCIENCE

ALL ABOUT ETOFENPROX

Etofenprox, the active ingredient in Zenivex adulticides, is a unique CHO (carbon, hydrogen, oxygen) molecule that is highly effective in the control of adult mosquitoes. It poses low risk to human health and the environment, and can be a valuable rotational tool in resistance management.

ENVIRONMENTAL PROFILE

Etofenprox offers a positive environmental profile. The molecule rapidly breaks down in sunlight. Environmental studies of the formulation Aqua Zenivex™ E20 show the product is not persistent in soil, surface water or sediment, with average half-lives in aquatic field studies of 1.7 days in water and 4.4 days in soil.

HOW IT WORKS

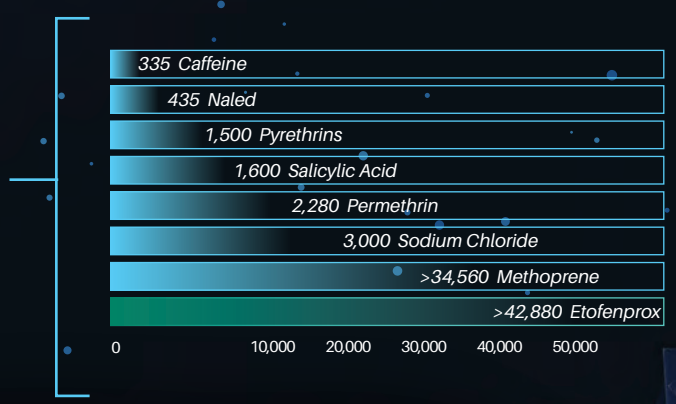
The Etofenprox molecule in Zenivex® products is an effective non-ester pyrethroid that acts on the nervous system of insects by disrupting their neuron sodium channels. It works on contact and has a very low toxicity profile for terrestrial vertebrates, plus its dried residues will not harm bee populations.

TOXICOLOGICAL PROFILE:

- Etofenprox presents a low toxicity to birds
- Dried foliar residues are not harmful to honey bees
- Etofenprox has a low toxicity to mammals
- EPA has classified Etofenprox as unlikely to cause cancer in humans
- Etofenprox has low intermediate-term toxicity and chronic toxicity
- Etofenprox is not a mutagen, developmental or reproductive toxin

COMPARITIVE ACUTE TOXICITIES

An LD_{50} is a measure of toxicity. The longer the LD_{50} bar, the lower the toxicity. Compared to the active ingredients in other leading mosquito control products, Etofenprox, the active ingredient in Zenivex® products, is the least toxic.



THIS IS MOSQUITO CONTROL ENGINEERED BY INGENUITY.

ZENIVEX® E20 MOSQUITO ADULTICIDE

Zenivex® E20 mosquito adulticide, provides quick, permanent knockdown and reliable control of adult mosquito populations, providing mosquito control professionals with another tool to stay on the cutting edge of control.

KEY ADVANTAGES OF ZENIVEX™ E20 ADULTICIDE:

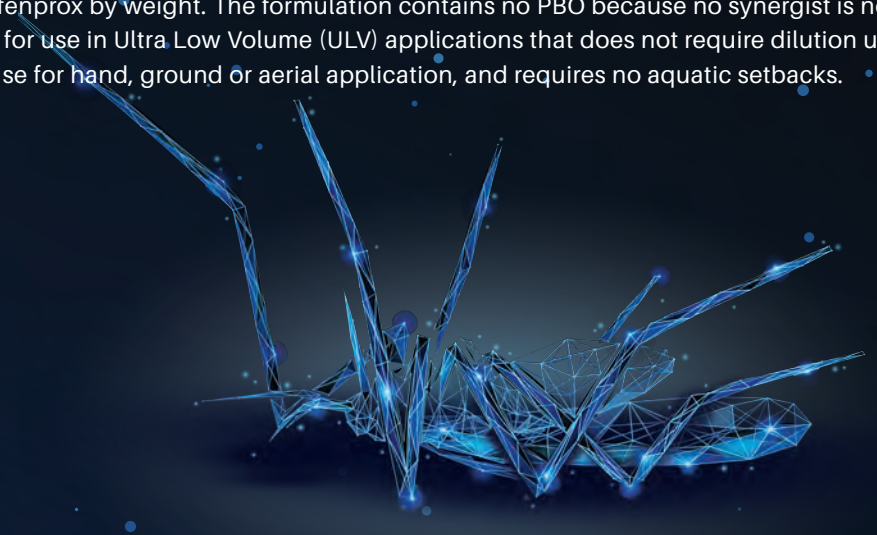
- No Piperonyl Butoxide (PBO), no synergist
- Ability to use diluted or undiluted
- Quick, permanent knockdown
- Environmental Protection Agency (EPA) reduced risk classification
- Approved for use over crops, pasture and rangeland

USAGE RATES

Zenivex® E20 is available in 2.5-gallon recyclable containers, and 30-gallon, 120-gallon and 275-gallon closed system returnable containers. Zenivex® E20's application rates – 0.00175, 0.0035, and 0.007 lb A.I. per acre – vary depending on the preference of the user. These rates allow for flexibility in different habitats and on a variety of mosquito species.

FORMULATION

Zenivex® E20 is 20% Etofenprox by weight. The formulation contains no PBO because no synergist is needed to achieve efficacy. It is an oil-dilutable formulation for use in Ultra Low Volume (ULV) applications that does not require dilution unless desired. The low odor formulation is ready-to-use for hand, ground or aerial application, and requires no aquatic setbacks.



NO MIXING

Zenivex® E4 is the True RTU Formulation

Containing 4% of the active ingredient, Etofenprox, Zenivex® E4 RTU mosquito adulticide is a ready-to-use formulation that requires no dilution, and no mixing. It's an easy-to-use and highly effective solution for controlling adult mosquito populations.

NO PBO

The Zenivex® E4 RTU mosquito adulticide formulation contains no synergist, therefore no PBO. The active ingredient, Etofenprox, is classified as reduced risk by the EPA. While it is hard on adult mosquitoes, Zenivex® E4 adulticide is easy on the environment. Etofenprox is a non-organophosphate, non-carbamate, non-ester pyrethroid. It is essentially non-toxic to terrestrial vertebrates and dried residues of Zenivex® E4 breakdown quickly in the environment and are not toxic to bee populations.

KEY ADVANTAGES OF ZENIVEX® E4 RTU ADULTICIDE

- Reduced risk
- Quick knockdown
- No aquatic setbacks
- Ready-to-use formulation
- Approved for use over crops
- Low odor formulation
- Flexible application rates

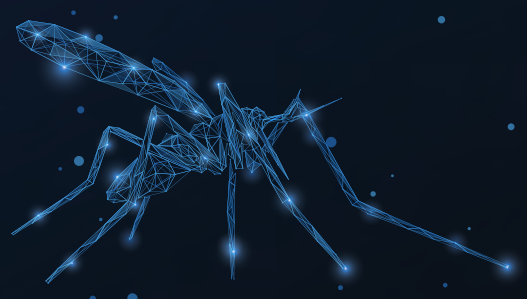
AQUA ZENIVEX™ E20

The Reduced-Risk Water-Dilutable Solution

Aqua Zenivex™ E20 has the same efficacy and outstanding toxicity profile of Zenivex® products, in a water-dilutable formulation for the effective control of adult mosquitoes, non-biting midge flies and nuisance flies.

KEY ADVANTAGES OF AQUA ZENIVEX™ E20 ADULTICIDE:

- Water-dilutable formulation
- EPA reduced risk classification
- Approval for wide range of application sites including agricultural crops, pastures and rangeland
- Requires no synergist (PBO)
- Non-ester pyrethroid
- No aquatic or crop set-backs
- Can be used diluted or undiluted



STAYING AHEAD OF THE MOSQUITOES OF THE FUTURE

THIS IS MOSQUITO CONTROL EVOLVED

Visit centralmosquitocontrol.com to see all we're doing to fight future mosquitoes today.

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