For use only by federal, state, tribal, or local government officials responsible for public health or vector control, or by persons certified in the appropriate category or otherwise authorized by the state or tribal lead pesticide regulatory agency to perform adult mosquito control operations, or by persons under their direct supervision.

- FOR THE CONTROL OF ADULT MOSQUITOES, NON-BITING MIDGEs, AND BLACK FLIES
- FOR USE AS A SPACE SPRAY BY AIR AND GROUND APPLICATION TO CONTROL ADULT MOSQUITOES
- APPROVED FOR USE OVER AGRICULTURAL CROPS (INCLUDING THOSE INTENDED FOR HUMAN CONSUMPTION), PASTURE AND Rangeland
- CAN BE USED UNDILUTED OR DILUTED
- QUICK PERMANENT KNOCKDOWN OF ADULT MOSQUITOES
- CONTROLS NON-BITING MIDGEs, NUISANCE AND BITING FLIES
- CONTROLS ADULT MOSQUITOES THAT MAY TRANSMIT DISEASES INCLUDING WEST NILE VIRUS, EASTERN EQUINE ENCEPHALITIS, ST. LOUIS ENCEPHALITIS, DENGUE, CHIKUNGUNYA, and ZIKA VIRUS

**ACTIVE INGREDIENT:**

Zenivex® E20

**Other Ingredients***

- Acetone
- Butyl acetate
- Methyl isobutyl ketone
- Ethanol
- Ethylene glycol

**E20/etofenprox/CAS 644-07-1**

- 1.0
- 0.7
- 0.6
- 0.5
- 0.4

**Other Ingredients**

- 80%

**Total**

- 100%

*Contains petroleum distillates

Contains 1.48 lbs etofenprox per gallon

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**PRECAUTIONARY STATEMENTS - HAZARDS TO HUMANS & DOMESTIC ANIMALS - CAUTION**

Handle only as directed. Caution! Excessive or improper use can be hazardous to public health and safety.

Application equipment must be tested at least annually to confirm that pressure at the nozzle and nozzle type is at 6 point to 10 point greater than the 99th percentile for the manufacturer’s specifications.

If application equipment is operated at lower than 6 point to 10 point, the application is at risk.

Note: To convert to lbs per acre, divide by 100

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**ENVIRONMENTAL HAZARDS**

- This pesticide is toxic to aquatic organisms, including fish and aquatic invertebrates. Result from treated areas or deposits into bodies of water may be hazardous to fish and other aquatic animals. Do not apply over bodies of water (bays, rivers, perennial streams, natural ponds, commercial fish ponds, oxbows, marshes or estuaries), except when necessary to prevent or control public or animal health hazards or to disperse or control animal wildlife diseases.

- Do not treat stagnant water in order to minimize incidental deposition into the water body. Do not contaminate bodies of water (lakes, rivers, permanent streams, natural ponds, commercial fish ponds, oxbows, marshes or estuaries), except when necessary to disperse or control animal wildlife disease.

- The appropriate application rate can be achieved by altering the dilution rate of Zenivex® E20. Refer to the following chart for examples.

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**APPLICATION**

**Flow Rates**

<table>
<thead>
<tr>
<th>Application Rate</th>
<th>Vehicle Speed MPH</th>
<th>Flow Rates</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pound A.I. per Acre</strong></td>
<td><strong>Undiluted</strong></td>
<td><strong>Diluted</strong></td>
</tr>
<tr>
<td><strong>Per Acre</strong></td>
<td><strong>1 to 1.5</strong></td>
<td><strong>1 to 2</strong></td>
</tr>
<tr>
<td><strong>Per Oz/Minute</strong></td>
<td><strong>1 to 30</strong></td>
<td><strong>1 to 20</strong></td>
</tr>
</tbody>
</table>

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**ST. LOUIS**

- For control of biting midges (black flies), biting midges and non-biting midges in areas such as utility tunnels, sewers, storm and catch basins, pipe chases, underground basements, underground passages, parking decks, crawl spaces or unfinished buildings, apply Zenivex® E20 using mechanical handguns, hand-truck mounted equipment, thermal foggers or other spray equipment suitable for this application. Apply Zenivex® E20 at rates to not exceed 0.00350 pounds etofenprox per acre.

- For control of flying or resting adult mosquitoes, biting flies and non-biting midges in areas such as utility tunnels, sewers, storm and catch basins, pipe chases, underground basements, groundwater, underground passages, parking decks, crawl spaces or unfinished buildings, apply Zenivex® E20 using mechanical handguns, hand-truck mounted equipment, thermal foggers or other spray equipment suitable for this application. Apply Zenivex® E20 at rates to not exceed 0.00175 pounds etofenprox per acre.

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**USE AS A SPACE SPRAY BY AIR AND GROUND APPLICATION TO CONTROL ADULT MOSQUITOES**

**Application Rates**

- Undiluted: 0.00350 pounds etofenprox per acre
- Diluted 1 to 1.5: 0.00175 pounds etofenprox per acre
- Diluted 1 to 2: 0.00150 pounds etofenprox per acre
- Diluted 1 to 4.5: 0.00100 pounds etofenprox per acre

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**USE OVER AGRICULTURAL CROPS (INCLUDING THOSE INTENDED FOR HUMAN CONSUMPTION), PASTURE AND Rangeland**

- Zenivex® E20 can be applied to these areas by either ground or aerial application.

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**Pesticide Storage and Disposal**

- Zenivex® E20 should be stored in a cool place, dry, away from food, feed and water, and out of the reach of children.

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**Storage and Spill Procedures:**

**Zenivex® E20** can be used undiluted or diluted with mineral oil or other suitable oil diluents, 1.8 to 2.0 parts per volume Minyol® CP or other suitable diluent. Zenivex® E20 can be applied to these areas by either ground or aerial application. Aerial applications of this product require trained personnel to perform industry accepted assays to monitor resistance formation.

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PRECAUTIONARY STATEMENTS - HAZARDS TO HUMANS & DOMESTIC ANIMALS - CAUTION Harmful if inhaled. Caustic to eyes. Avoid contact with eyes, skin, or clothing. Application of this product may cause skin irritation. Application of this product may cause skin irritation.

FIRST AID
- If swallowed: Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.
- If inhaled: Move to fresh air. If not improved, give 2 liters of oxygen per minute. Call a poison control center or doctor for treatment advice. If exposed to inhalation irritant gas or mist, move to fresh air immediately.

ENVIRONMENTAL HAZARDS - This pesticide is toxic to aquatic organisms, including fish and aquatic invertebrates. Residual from treated areas or deposits into bodies of water may be hazardous to fish and other aquatic life. Do not apply over bodies of water (bays, rivers, permanent streams, natural ponds, commercial fish ponds, swamps, marshes or estuaries), except when necessary to protect areas where adult mosquitoes are present, and where weather conditions will facilitate movement of applied material away from water in order to minimize incidental deposition into the water body. Do not contaminate bodies of water when disposing of equipment or washwater.

PHYSICAL/CHEMICAL HAZARDS - Combustible. Do not use or store near heat or open flame.

DIRECTIONS FOR USE: — it is a violation of Federal law to use this product in a manner inconsistent with its labeling.

READ AND FOLLOW ALL LABEL DIRECTIONS. Before making the first application of the season, it is advisable to consult with the state or tribal agency with primary responsibility for pesticide regulation to determine if other regulatory requirements exist.

GENERAL - Zenivex® E20 is an effective insecticide used at low volumes to control adult mosquitoes, biting and non-biting flies. Use Zenivex® E20, either undiluted or as Ultra-Low Volume (ULV) to control adult mosquitoes, non-biting flies, for the control of pest species in or near residential, industrial, commercial, urban recreational areas, landscaped gardens, and areas where pests are a problem.

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Zenivex® E20 can be applied to agricultural crops or pastures. Zenivex® E20 can be applied to agricultural crops or pastures. Zenivex® E20 can be applied to agricultural crops or pastures.

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