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, NOT-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 NOT-BITING MIDGEs, NUISANCE AND BITING FLIES**

- **CONTROLS ADULT MOSQUITOES THAT MAY TRANSMIT DISEASES INCLUDING WEST NILE VIRUS, EASTERN EQUINE ENCEPHALITIS, STA. LOUIS ENCEPHALITIS, DENGUE, CHIKUNGUNYA, AND ZIKA VIRUS**

**PRODUCT INFORMATION**

**Zenivex® E20**

*Contains petroleum distillates

**ACTIVE INGREDIENT:**

- **Etofenprox (CAS 444-07-1)**

**OTHER INGREDIENTS**

- **aerosol propellant (cas 123-90-2)**

**CONTAINS:**

- **1.4 lbs etofenprox per gallon**

**APPLICATION RATES:**

- **For control of resting or flying adult mosquitoes, biting flies and non-biting midges:**

  - Unmixed (1:1) spray
  - Diluted (1:10) spray

**APPLICATION RX:**

- **10 pounds of etofenprox per acre per site per year.**

**APPLICATION SETTING:**

- **Apply when wind is 1 to 4.5 mph**

**APPLICABLE APPLICATIONS:**

- **AERIAL APPLICATION**

  - Use label rates and follow Directions For Use as directed in this label. Applications over crops or where drift may occur close to the ground and apply when labeled insects are most active. Use the higher label rates when spraying areas where dense vegetation is present. Conduct applications when

**ENVIRONMENTAL HAZARDS**

- **Contains 1.48 lbs etofenprox per gallon**

**CHEMICAL HAZARDS – Combustible:**

- Do not use or store near heat or open flame.

**TECHNICAL INFORMATION:**

- **For control of resting or flying adult mosquitoes, biting flies and non-biting midges:**

  - Unmixed (1:1) spray
  - Diluted (1:10) spray

**APPLICATION RECOMMENDATIONS:**

- **For control of resting or flying adult mosquitoes, biting flies and non-biting midges:**

  - Unmixed (1:1) spray
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**APPLICATION GUIDELINES:**

- **For control of resting or flying adult mosquitoes, biting flies and non-biting midges:**

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**APPLICATION METHODS:**

- **AERIAL APPLICATION**

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- **QUICK PERMANENT KnockDOWN OF ADULT MOSQUITOES**
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**ACTIVE INGREDIENT:**
Etofenprox (CAS 644-07-1)

**Other Ingredients**
- Contains petroleum distillates
- Contains 1.48 lbs etofenprox per gallon

**PRECAUTIONARY STATEMENTS - HAZARDS TO HUMANS & DOMESTIC ANIMALS - CAUTION**
- Harmful if swallowed. Causes irritation of the eyes.
- Avoid contact with eyes, skin, or clothing
- Do not contaminate water, food, or feed by storage or disposal
- Do not apply while in or near bodies of water
- Do not contaminate water by either undiluted or diluted per month to the same site within a month. Do not spray more than 0.18 lbs per year. More frequent treatments may be made to prevent or control a threat to public and/or animal health determined by a state, tribal, or local health or vector control agency on the basis of documented evidence of disease-causing agents in vectors or the occurrence of mosquito-borne disease in animal or human populations, or if specifically approved by the state or tribe during a natural disaster recovery effort.

**PHYSICAL/CHEMICAL HAZARDs:**
- Combustible
- Do not 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 midges, biting and non-biting flies. Use Zenivex® E20, either undiluted as Ultra-Low Volume (ULV) or diluted with mineral oil or other suitable oil diluent, for the control of pest species in or near residential, industrial, commercial, urban, recreational areas, livestock, golf courses, and areas where pests are present.**

**ENVIRONMENTAL HAZARDS:**
- This pesticide is toxic to aquatic organisms, including fish and aquatic invertebrates. Resistant from treated areas or bodies of water may be hazardous to fish and other aquatic organisms. Do not apply over bodies of water (bays, rivers, permanent streams, natural ponds, commercial fish ponds, swamps, marshes, or estuaries), except when necessary to target areas where adult mosquitoes are present, and 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 washwater.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Time applications to provide the maximum possible interval between treatment and the next period of bee activity. Do not apply to blooming crops or weeds when bees are foraging the treated area. Do not allow applications to be made to control pests between public and/or animal health determined by a state, tribal, or local health or vector control agency on the basis of documented evidence of disease-causing agents in vectors or the occurrence of mosquito-borne disease in animal or human populations, or if specifically approved by the state or tribe during a natural disaster recovery effort.

**APPLICATIONS OVER CROPS OR TO AREAS FAVORING DRIFT OVER CROPS**
- Zenivex® E20 can be applied to these areas by either ground or aerial application. Use label rates and follow Directions For Use as directed in this label. Applications over crops or where drift may occur over crops are limited to 4 applications per month to the same site but no more than two applications within a 30-day interval. Do not apply more than 0.028 pounds of active ingredient per month to the same site within a month. Do not spray more than 0.18 lbs etofenprox per acre per site per year. Do not make more than 25 applications per site per year.

**PESTICIDE STORAGE AND DISPOSAL**
- Store in a cool, dry, well-ventilated area.
- Do not store near food, feed, water,金银花, tobacco, or in a location where contaminants may enter.
- When finished with the product, clean the equipment nozzle or the equipment manufacturer’s instructions, apply this product at a rate of 0.00175 to 0.00700 pounds etofenprox per acre. Direct fog to areas where mosquitoes and other pests are located. The volume median diameter (VMD) of droplets produced by thermal foggers is less than 60 microns (D_{VMD} < 60) and that 90% of the spray is contained in droplets smaller than 60 microns (D_{VMD} < 60). The effects of fogging speed and, for rotary nozzles, nozzle size on the diameter spread must be considered. Directions from the equipment manufacturer or pest control professional can be used to adjust equipment to produce acceptable droplet size spectra. Application equipment must be treated annually to confirm that pressure at the nozzle and nozzle flow rates are properly calibrated.
- Do not apply Zenivex® E20 at altitudes below 100 feet. Do not apply at altitudes from 100-300 feet. Apply when wind speed on the ground is less than 60 microns (D_{VMD} < 60). The effects of fogging speed and, for rotary nozzles, nozzle size on the diameter spread must be considered. Directions from the equipment manufacturer or pest control professional can be used to adjust equipment to produce acceptable droplet size spectra. Application equipment must be treated annually to confirm that pressure at the nozzle and nozzle flow rates are properly calibrated.
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