This product contains 0.475 lb./gal (56.85 g/L) Pyrethrins and 2.375 lb./gal (284 g/L) Piperonyl Butoxide

**ACTIVE INGREDIENTS:**
- Pyrethrins: 5.00%
- Piperonyl Butoxide: 70.00%
- *Butylcyclohexyl*(6-propylcyclohexyl) ether: 100.00%
- Contains petroleum distillate

This product contains 0.475 lb./gal (56.85 g/L) Pyrethrins and 2.375 lb./gal (284 g/L) Piperonyl Butoxide

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

FIRST AID

**IF ON SKIN OR CLOTHING:**
- Take off contaminated clothing
- Rinse skin immediately with plenty of water for 15-20 minutes
- Call a poison control center or doctor for treatment advice
- If not given any liquid to the person
- Do not induce vomiting unless told to do so by a poison control center or a doctor
- Do not give anything by mouth to an unconscious person
- If person is not breathing, call 911 or an ambulance, then give artificial respiration

**IF SWALLOWED:**
- Call a poison control center or doctor immediately for treatment advice
- Do not give anything by mouth to an unconscious person
- Hold eye open and rinse slowly and gently with water for 15-20 minutes
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes
- Call a poison control center or doctor for treatment advice
- If inhaled
- Move person to fresh air
- If person is not breathing, call 911 or an ambulance, then give artificial respiration

**NOTE TO PHYSICIAN**

This product contains petroleum distillate and may pose a risk to respiratory irritation.

Let the pesticide controller or label with you when calling a poison control center or doctor, or for going for treatment. For information regarding medical emergencies or pesticide incidents, call 1-888-740-8712.

**USER SAFETY RECOMMENDATIONS**

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**USER SAFETY REQUIREMENTS**

Follow manufacturer’s instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other material that have been drenched or heavily contaminated with the product’s concentrate. Do not reuse them.

**ENGINEERING CONTROLS**

Pilots must use an encased cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(b)(6)). Human flagging is prohibited. Flagging to support aerial application is limited to use of the Global Positioning System (GPS) or flag marker.

**ENVIRONMENTAL HAZARDS**

This product is toxic to aquatic organisms, including fish and invertebrates. Runoff from treated areas or deposition of spray droplets into a body of water may be hazardous to fish and aquatic invertebrates.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product when bees are visiting the treatment area, except when applications are 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 vector mosquitoes 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.

Before making the first application in a season, it is advisable to consult with the state or tribal agency having primary responsibility for pesticide regulation to determine if other regulatory requirements exist.

Do not apply over bodies of water (lakes, 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 the water in order to minimize incidental deposition into the water body. Do not contaminate bodies of water when disposing of equipment rinse water or washwater.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use or store near heat or open flame.

**PRECAUTIONS AND RESTRICTIONS:**

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

For use in outdoor residential misting systems.

Not for use in residential or home use.

For use in agricultural areas should be in such a manner as to avoid residues in excess of established tolerances for pyrethrins and piperonyl butoxide on crops or commodities.

This concentrate should be used as a manner consistent with its labeling.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**PRECAUTIONARY STATEMENTS:**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION**

Carcinogen dermal irritation. Do not get on skin or clothing. Wash thoroughly with soap and water after handling and before eating, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Mixers, loaders, applicators, and other handlers must wear the following:
- Long-sleeved shirt,
- Long pants,
- Shoes and socks,
- Nitrile gloves or other resistant gloves such as latex, neoprene rubber, or Viton.

In addition to the above PPE, applicators using high pressure hand wands in an enclosed area must wear at least a NIOSH approved respirator with:
- A dualStage filter with a NIOSH/NIOSH approved number prefix TC-21C, or
- Any R, P, or HE filter.

In addition to the above PPE, applicators using hand held foggers in an enclosed area must wear at half-face, full-face, or hood-style NIOSH approved respirator with:
- A dualStage filter with a NIOSH/NIOSH approved number prefix TC-21C, or
- A canister approved for pesticides (NIOSH/NIOSH approved number prefix TC-14G), or
- Any R, P, or HE filter.

See engineering controls for additional requirements.

**USER SAFETY RECOMMENDATIONS**

**ENGINEERING CONTROLS**

Pilots must use an encased cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(b)(6)]. Human flagging is prohibited. Flagging to support aerial application is limited to use of the Global Positioning System (GPS) or flag marker.

**ENVIRONMENTAL HAZARDS**

This product is toxic to aquatic organisms, including fish and invertebrates. Runoff from treated areas or deposition of spray droplets into a body of water may be hazardous to fish and aquatic invertebrates.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product when bees are visiting the treatment area, except when applications are 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 vector mosquitoes 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.

Before making the first application in a season, it is advisable to consult with the state or tribal agency having primary responsibility for pesticide regulation to determine if other regulatory requirements exist.

Do not apply over bodies of water (lakes, 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 the water in order to minimize incidental deposition into the water body. Do not contaminate bodies of water when disposing of equipment rinse water or washwater.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use or store near heat or open flame.

**PRECAUTIONS AND RESTRICTIONS:**

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

For use in outdoor residential misting systems.

Not for use in residential or home use.

For use in agricultural areas should be in such a manner as to avoid residues in excess of established tolerances for pyrethrins and piperonyl butoxide on crops or commodities.

This concentrate should be used as a manner consistent with its labeling.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**PRECAUTIONARY STATEMENTS:**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION**

Carcinogen dermal irritation. Do not get on skin or clothing. Wash thoroughly with soap and water after handling and before eating, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Mixers, loaders, applicators, and other handlers must wear the following:
- Long-sleeved shirt,
- Long pants,
- Shoes and socks,
- Nitrile gloves or other resistant gloves such as latex, neoprene rubber, or Viton.

In addition to the above PPE, applicators using high pressure hand wands in an enclosed area must wear at least a NIOSH approved respirator with:
- A dualStage filter with a NIOSH/NIOSH approved number prefix TC-21C, or
- Any R, P, or HE filter.

In addition to the above PPE, applicators using hand held foggers in an enclosed area must wear at half-face, full-face, or hood-style NIOSH approved respirator with:
- A dualStage filter with a NIOSH/NIOSH approved number prefix TC-21C, or
- A canister approved for pesticides (NIOSH/NIOSH approved number prefix TC-14G), or
- Any R, P, or HE filter.

See engineering controls for additional requirements.
Spray equipment must be adjusted so that the volume median diameter (VMD) is less than 30 microns (Dv 0.5 < 30um) and that 90% of the spray is contained in droplets smaller than 50 microns (Dv 0.9 < 50um).

**Aerial Equipment:**

Spray equipment must be adjusted so that the volume median diameter produced is less than 60 microns (Dv 0.5 < 60um) and that 90% of the spray is contained in droplets smaller than 80 microns (Dv 0.9 < 80um).

The effects of flight speed and, for non-rotary nozzles, nozzle angle on the droplet size spectrum must be considered.

The maximum application rate for wide area mosquito adulticide applications is 0.0025 lbs. pyrethrin/acre, or 0.025 lbs. piperonyl butoxide/acre, whichever is lower. When targeting *Aedes Taeniorhynchus* and other difficult species applications may be made up to 0.008 lbs. pyrethrin/acre/day, or 0.08 lbs. piperonyl butoxide/acre/day, whichever is lower.

Do not apply more than 0.2 lbs. pyrethrin/acre/year, or 2.0 lbs. piperonyl butoxide/acre/year, whichever is lower, in any treated area. 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 vector mosquitoes or the occurrence of mosquito-borne disease in animal or human populations, or if specifically approved by the state during a natural disaster recovery effort.

More frequent treatments may be made to prevent or control a threat to public and/or animal health determined by state, tribal, or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes 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.

Release Height for Aerial:

Fixed wing: Apply using a nozzle height of no less than 100 feet above the ground or canopy.

Rotary wing: Apply using a nozzle height of no less than 75 feet above the ground or canopy.

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**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage and disposal.

**PESTICIDE STORAGE:** Store in a cool, dry place. Keep container closed. Post as a pesticide storage area. Always store pesticides in the original container. Store away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Place liquid formulations on lower shelves and dry formulations above.

**PESTICIDE DISPOSAL:** To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product in a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

**CONTAINER HANDLING:** Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and rinse. Shake for 10 seconds. Pour rinse into application equipment or a mix tank or store rinse for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill or by incineration. Do not burn unless allowed by state and local ordinances.
**OTHER INGREDIENTS**

In addition to the above PPE, applicators using hand held foggers in an enclosed area must wear at half-face, full-face, or hood-style NIOSH-approved respirator with:

- A dust/mist filter with MSHA/NIOSH approval number prefix TC-21C, or
- A canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or
- Butylcarbityl (6-propylpiperonyl) ether
- Piperonyl butoxide

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washable exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

**ENGLISH HAZARDS**

The product is toxic to aquatic organisms, including fish and invertebrates. Runoff from treated areas or deposition of spray droplets into a body of water may be hazardous to fish and aquatic invertebrates.

This product is highly toxic to be exposed to direct treatment on blooming crops or weeds. Do not apply this product when bees are visiting the treatment area, except when applications are 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 vector mosquitoes 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.

Before making the first application in a season, it is advisable to consult with the state or tribal agency with primary responsibility for pesticide regulation to determine if any regulatory requirements exist.

Do not apply over bodies of water (lakes, 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 the water in order to minimize incidental deposition into the water body. Do not contaminate bodies of water when disposing of equipment rinse water or washwaters.

**PHYSICAL OR CHEMICAL HAZARDS**

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.

**PRECAUTIONS AND RESTRICTIONS:**

- 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 applications, or by persons under their direct supervision.
- Not for use in outdoor residential misting systems.
- Not for use in metered release systems.
- Not for aerial application in Florida unless specifically authorized by the bureau of entomology, Florida Department of Agriculture and Consumer Services.

This concentrate may be diluted with a safe oil diluent, such as (but not restricted to) light mineral oil, deodorized kerosene or petroleum diluent, for use in cold fog aerosol generators.

Do not use in areas where adult mosquitoes are present, and weather conditions will facilitate movement of applied material away from the water in order to minimize incidental deposition into the water body. Do not contaminate bodies of water when disposing of equipment rinse water or washwaters.

**EQUIPMENT CALIBRATION PARAMETERS**

**SPRAY PARTICLE SIZE AND DROPLET SPECTRUM**

Directions from the equipment manufacturer or vendor, pesticide registrant or a test facility using laser-based measurement instrument must be used to adjust equipment to product acceptable droplet size spectra. Application equipment must be tested annually to confirm that pressure at the nozzle and nozzle flow rate(s) are properly calibrated.

If necessary, contact the distributor or manufacturer of this product for undiluted spread factors or the manufacturer of diluting oils for a spread factor to use to determine droplet size with this product if applied undiluted or diluted.

See engineering controls for additional requirements.

**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 applications, or by persons under their direct supervision.**
Spray equipment must be adjusted so that the volume median diameter (VMD) is less than 30 microns (Dv 0.5 < 30um) and that 90% of the spray is contained in droplets smaller than 50 microns (Dv 0.9 < 50um).

**Aerial Equipment:**
Spray equipment must be adjusted so that the volume median diameter produced is less than 60 microns (Dv 0.5 < 60um) and that 90% of the spray is contained in droplets smaller than 80 microns (Dv 0.9 < 80um).

The effects of flight speed and, for non-rotary nozzles, nozzle angle on the droplet size spectrum must be considered.

The maximum application rate for wide area mosquito adulticide applications is 0.0025 lbs. pyrethrin/acre, or 0.025 lbs. piperonyl butoxide/acre, whichever is lower. When targeting *Aedes Taeniorhynchus* and other difficult species applications may be made up to 0.008 lbs. pyrethrin/acre/day, or 0.08 lbs. piperonyl butoxide/acre/day, whichever is lower.

Do not apply more than 0.2 lbs. pyrethrin/year, or 2.0 lbs. piperonyl butoxide/year, whichever is lower, in any treated area. 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 vector mosquitoes 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.

More frequent treatments may be made to prevent or control a threat to public and/or animal health determined by state, tribal, or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes 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.

Release Height for Aerial:
Fixed wing: Apply using a nozzle height of no less than 100 feet above the ground or canopy.
Rotary wing: Apply using a nozzle height of no less than 75 feet above the ground or canopy.

**STORAGE AND DISPOSAL**

**PESTICIDE STORAGE:** Store in a cool, dry place. Keep container closed. Post as a pesticide storage area. Always store pesticides in the original container. Store away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Place liquid formulations on lower shelves and dry formulations above.

**PESTICIDE DISPOSAL:** To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

**CONTAINER HANDLING:** Non-refillable container. Do not reuse or refill this container. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ½ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinseate into application equipment or a mix tank or store rinseate for later use or disposal. Repeat this procedure two more times.