**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 absorbent material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

**ENGINEERING CONTROLS**

Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 C.F.R. 170.240(d)(1)). Human flagging is prohibited. Flagging to support aerial application is limited to the use of the Global Positioning System (GPS) or mechanical flaggers.

**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.

When applying as a wide area mosquito adulticide, 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 other regulatory requirements exist.

This pesticide is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are visiting the treatment area.

When applying as a wide area mosquito adulticide, 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 other conditions will facilitate movement of applied material away from the water in order to minimize incidental deposition into the water body.

**ENVIRONMENTAL HAZARDS**

This product is extremely 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.

When applying as a wide area mosquito adulticide, 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 other conditions will facilitate movement of applied material away from the water in order to minimize incidental deposition into water body.

**PHYSICAL AND CHEMICAL HAZARDS**

Combustible. Do not use or store near heat or open flame. Keep away from oxidizers.

**DIRECTIONS FOR USE**

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

According to Aqualuer 20-20 is designed for application as an Ultra-Low Volume (ULV) or thermal aerosol to control adult mosquitoes and flies of nuisance, public health or disease vector importance in areas including residential areas, industrial areas, commercial areas, urban areas, parks, campgrounds, woodlands, athletic fields, golf courses, playgrounds, recreational areas, overgrown waste areas, roadsides, and other areas where adult mosquitoes and flies may be found. Apply Aqualuer 20-20 with ULV cold aerosol generators, thermal aerosol generators, mist-blowers, backpack sprayers, or handheld sprayers. Backpack sprayers, handheld sprayers and low-pressure hand sprayers may be used for barrier or surface applications.

Treat when mosquitoes or insects are most active and weather conditions are conducive to keeping the fog near the ground e.g. cool temperatures, and consistent wind speeds are not greater than 10 mph. Applications during the cool hours of night or early morning are usually preferable. Apply when wind speed is greater than 1 mph.

Do not treat the same site more than once in 3 days. Do not exceed 25 applications at 0.007 lbs per Acre 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 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.

Aqualuer 20-20 can be applied over specific growing crops and range grasses prior to harvest for the control of adult mosquitoes and biting flies within or adjacent to these areas. Applications can only be made where the following crops are present: Almonds, Apples, Broccoli, Brussels sprouts, Cabbage, Cauliflower, Chives, Corn (fodder), Corn (forage), Corn (grain), Eggplant, Leafy Vegetables (except brassica), leafy amaranth, argula, cardon, celery, celtuce, celeriac, chrysanthemum, corn salad, garden & upland cress, dandelion leaves, dock, endive, fenugreek, sea kale, head & leaf lettuce, orach, parsley, garden and winter purslane, radicchio, rucola, radicchio, spinac, Chinese chard, and tamapla), Lettuce (head), Mushrooms, Onions (dry bulb), Peaches, Peppers (bell), Soybeans, Tomatoes, Vegetables (cucbita: balsam apple, bakuchiol, cape gooseberry, cantaloupe, fruit chayote, cucumber, cucurbits, West Indian gherkin, ediblge gourd, melon, muskmelon, pumpkin, squash, watermelon, Chinese waxgourd), Walnuts. Do not allow spray treatment to drift on cropland (other than crops listed) or water supplies. In treatment of corrals, feedlots, animal confinement/houses, swine lots and zoos, cover any exposed drinking water, drinking fountains and other animal feeding devices.

Air temperatures should be greater than 50°F when conducting all types of applications. Aqualuer 20-20 provides effective control of adult mosquitoes, black flies, gnats, biting and non-biting midges, stable flies, horse flies, deer flies, sheep flies, horn flies, and nuisance flying insects such as houseflies.

Do not make applications during rain. Do not apply directly to sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur, except as directed by this label.

Not for use in outdoor residential misting systems. Not for use in metered release systems.
GROUND APPLICATION

Vehicle-Mounted ULV Cold Aerosol Generators (Cold Fog): Apply through non-thermal ULV application equipment and base all acreage calculations on the equipment manufacturer’s recommended swath width.

Spray equipment must be adjusted so the volume median diameter or mass median diameter is less than 30 microns (Dv 0.9 < 30 µm) and that 90% of the spray is contained in droplets smaller than 48 microns (Dv 0.9 < 48 µm). Directions from the equipment manufacturer or vendor, pesticide registrant or a test facility using a laser-based measurement instrument must be used to adjust equipment to produce acceptable droplet size spectra. Application equipment must be tested at least annually to confirm that pressure at the nozzle and nozzle flow rate(s) are properly calibrated.

Apply at a rate not to exceed 0.007 pounds of permethrin per acre. An optimum swath is 100 feet (30 meters) wide. Animation of such factors as weather conditions, presence of other materials, or the manner of use or application shall only be made when recommended by public health officials and trained personnel of mosquito abatement districts and other mosquito control programs.

For best results, apply Aqualuer 20-20 when insects are most active and meteorological conditions are conducive to keeping the spray cloud near the ground. Aerial applications using aircraft equipped with global positioning systems (GPS) may be needed to compensate for wind conditions and to ensure drift into target areas.

IN FLORIDA: Do not apply by aircraft unless approved by the Florida Department of Agriculture and Consumer Services.

AERIAL APPLICATION

Apply Aqualuer 20-20 either diluted or undiluted at rates up to 0.007 lbs. permethrin/PBO per acre. Use ULV wing or rotary aircraft equipped with a spraying system capable of making a ULV application. Aerial application of Aqualuer 20-20 shall be made at altitudes ranging from 75 feet to 300 feet. Do not apply by fixed wing aircraft at a height less than 100 feet, or by helicopter at a height less than 75 feet unless under the supervision of health or wildlife professionals based on public health needs.

Do not apply when ground wind speed exceeds 10 mph. Aerial applications of Aqualuer 20-20 shall only be made when recommended by public health officials and trained personnel of mosquito abatement districts and other mosquito control programs.

For best results, apply Aqualuer 20-20 when insects are most active and meteorological conditions are conducive to keeping the spray cloud near the ground. Aerial applications using aircraft equipped with global positioning systems (GPS) may be needed to compensate for wind conditions and to ensure drift into target areas.

For application using backpack or truck-mounted low-pressure direct spray, non-ULV equipment must be adjusted so the volume median diameter produced is less than 70 microns (Dv 0.9 < 70 µm). The effects of flight speed and, for non-rotary nozzles, nozzle angle on the droplet size spectrum must be considered. Directions from the equipment manufacturer or vendor, pesticide registrant or a test facility using a wind tunnel and laser-based measurement instrument must be used to adjust equipment to produce acceptable droplet size spectra. Application equipment must be tested at least annually to confirm that pressure at the nozzle and nozzle flow rate(s) are properly calibrated.

**FLOW RATE (Fluid Ounces Per Minute)**

<table>
<thead>
<tr>
<th>Application Rate (Pounds of Permethrin a.i./Acre)</th>
<th>Vehicle Speed (MPH)</th>
<th>Undiluted</th>
<th>Diluted 1:4.5</th>
<th>Diluted 1:6.5</th>
<th>Diluted 1:9.1</th>
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<td>9.2</td>
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</tbody>
</table>

* Dilution Instructions: Fill tank with the recommended amount of water, start agitation then add the correct amount of Aqualuer 20-20. The use of metering pumps, injector systems or other mixing systems is optional. Note: When using oil as a diluant agitate well before use.

When dense vegetation is present, use higher rates of application and/or a slower speed for best results.

Backpack or Handheld Sprayer Application: Apply through non-thermal ULV application equipment and base acreage calculations on a 300-foot swath. To apply undiluted at 0.007 pounds of permethrin per acre adjust equipment to an output rate of 1.24 ounces per minute (0.007 lbs. per acre). Base acreage calculations on a 300-foot swath. For best results, direct the thermal fog into and allow to drift through areas where adult mosquitoes are found.

**Storage and Disposal**

Do not contaminate water food or feed by storage or disposal. Pesticide Storage and Spill Procedures: Store upright at room temperature. Avoid exposure to extreme temperatures. In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, earth, fuller’s earth, etc. Dispose of with chemical waste.

Pesticide Disposal: Pesticide, spray mixture or rinse water that cannot be used according to label instructions must be disposed of at or by an approved waste disposal facility.

**Container Handling:** Nonrefillable container: Do not reuse or refill this container. Triple rinse or pressure rinse container promptly after emptying. Containers 5 gallons: 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 container 1/4 full with water and recap. 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. Containers > 5 gallons: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 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 rinse into application equipment or mix tank or store rinse for later use or disposal. Repeat this process two or more times. Pressure Rinse as Follows: Empty the remaining contents into application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Fill container upside down over application equipment or mix tank or collect rinse for later use or disposal. Insert pressure-rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Offer for recycling, if available.

**READ ENTIRE LABEL BEFORE USING**

Read the entire Directions for Use, Conditions, Disclaimer of Warranties, and Limitation of Liability before using this product. By using this product, User and Buyer accept the following Conditions and Disclaimer.

**CONDITIONS:** The Directions for Use of this product are believed to be adequate and should be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Value Garden Supply. All such risks shall be assumed by the User or Buyer.

**DISCLAIMER:** Value Garden Supply warrants this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referenced to in this Document. Subject to the terms and conditions set forth herein, Value Garden Supply makes no other express or implied warranty of fitness or merchantability nor any other express or implied warranty. To the extent provided by law, Value Garden Supply makes no other express or implied warranty of fitness or merchantability nor any other express or implied warranty. To the extent provided by law

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