Perm-X™ UL 30-30

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.

**CONTROLS:** Adult Mosquitoes, Biting and Non-biting Midges, Black Flies and other outdoor flying insects as listed on this label

**FOR USE AS A:** ULV thermal or non-thermal aerosol using ground or aerial equipment in areas including: residential, recreational areas, parks, campsites, woodlands, athletic fields, golf courses, municipalities, playgrounds, and non-crop waste areas and over listed growing crops and range grasses prior to harvest for the control of adult mosquitoes and biting flies within or adjacent to these areas.

Refer to label for additional use sites.

**ACTIVE INGREDIENTS:**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permethrin</td>
<td>30%</td>
</tr>
<tr>
<td>Piperonyl Butoxide*</td>
<td>30%</td>
</tr>
</tbody>
</table>

**OTHER INGREDIENTS**

**TOTAL:** 100%

*contains 6-propylpiperonyl ether and related compounds.
**Contains Petroleum Distillate

Contains 2.51 lbs. a.i. Permethrin/gallon and 2.51 lbs. a.i. Piperonyl Butoxide/gallon.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**PRECAUCION AL USUARIO:** Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicado ampliamente.

**(TO THE USER: If you cannot read English, do not use this product until the label has been fully explained to you.**

See inside label booklet for additional Precautionary Statements.

EPA Reg. No. 89459-44
EPA Est. No. 2724-TX-1

**NET CONTENTS:** 2.5 GAL

3003518394
PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION/HAZARDOUS MATERIAL, FORMULA 1 absorbed through skin. Avoid contact with skin, eyes or clothing. Causation of irritation.

FIRST AID

If swallowed
- Immediately call a poison control center or doctor.
- Do not induce vomiting unless told to 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
- Take off contaminated clothing.
- Stay in an open, ventilated area.
- If you are feeling unconscious, call a physician immediately and follow the advice of your doctor.

If on skin
- Wash skin immediately with soap and water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

If in eyes
- Wash eyes open and close slowly under running 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 swallowed
- If person's breathing is not normal, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth, if possible.
- Call a poison control center or doctor for treatment advice.

ENVIRONMENTAL HAZARDS

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

Do not contaminate water sources with material that is harmful to aquatic organisms. Do not apply this product near ponds, lakes, streams, or other surface waters.

Do not allow drift to blow onto or contact ponds, streams, lakes, or other surface waters.

Do not apply to bodies of water (dikes, ditches, permanent streams, lakes, ponds, reservoirs, irrigation ditches, etc.), except when necessary to target areas where adult mosquitoes are present and result in a significant reduction of the number of mosquitoes in the water body. Do not apply water from a jet sprayer or other equipment to bodies of water.

DIRECTIONS FOR USE

To a dilution of Federal law to use this product in a manner inconsistent with its labeling.

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

INSIDE TEXT

(2)

INSIDE TEXT

(3)
Precautions and Use Restrictions

- Do not apply this product on an inflow or in a stream or pond (other than crops planted or plantable water supplies).
- Do not use a drift control to prevent drift from the application (i.e., a spray boom).
- Do not apply this product on a slope or slope

Aerol Application at the 25th Percentile above ground elevation: Spray equipment must be adjusted so that the volume median diameter produced is less than 60 microns (D_{50} < 60 μm) and that 10% of the spray is contained in droplets smaller than 150 microns (D_{10} < 150 μm). The effects of flight speed and, for non-elevated monsoon, angle on the spray 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 ensure that pressure at the nozzle and nozzle flow rates are properly calibrated.

Aerol Application at the 25th Percentile above ground elevation: Spray equipment must be adjusted so that the volume median diameter produced is less than 70 microns (D_{50} < 70 μm) and that 90% of the spray is contained in droplets smaller than 145 microns (D_{90} < 145 μm). The effects of flight speed and, for non-elevated monsoon, angle on the spray 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 ensure that pressure at the nozzle and nozzle flow rates are properly calibrated.

ULV NON-THERMAL AEROSOL (COLD FOG)

To control adult mosquitoes, flies, and pests, apply ULV non-thermal aerosol ground equipment or ULV cold fog equipment with a swath width of 10 feet or areas such as residential, nonresidential, industrial, or farmlands. For best results, apply when insects are most active and conditions are conducive to keeping the spray close to the ground. Apply the ULV non-thermal aerosol at a rate of 0.575 to 0.75 times per acre and at a speed of 10 feet per minute. These rates are equivalent to 0.015 to 0.025 pounds of permethrin a.i. and 0.057 to 0.075 pounds of permethrin/2% methoxybenzyl a.i. per acre. If the vehicle speed is too low, apply the spray more accurately. An accurate flow control system must be used to ensure proper flow rates. Use the maximum flow rates and application rates listed on this label to treat large areas and conditions. 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 ensure that pressure at the nozzle and nozzle flow rates are properly calibrated.

THERMAL AEROSOL FOGGING

Refer to the DILUTION RATES table for fogging applications. Aerial use of thermal fogging will be very small in volume at the 0.5 to 1.0-lb/acre range.

THERMAL AEROSOL FOGGING

- Spray equipment must be adjusted so that the volume median diameter is less than 35 microns (D_{50} < 35 μm) and that 90% of the spray is contained in droplets smaller than 145 microns (D_{90} < 145 μm). 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 ensure that pressure at the nozzle and nozzle flow rates are properly calibrated.

Spray Droplet Size Determination

Concentrated Adjuvant Application: Spray equipment must be adjusted so that the volume median diameter is less than 50 microns (D_{50} < 50 μm) and that 90% of the spray is contained in droplets smaller than 150 microns (D_{90} < 150 μm). Directions from the equipment manufacturer or vendor, pesticide registrant or a test facility using laser-based measurement equipment must be used to adjust equipment to produce acceptable droplet size spectra. Application equipment must be tested at least annually to ensure that pressure at the nozzle and nozzle flow rates are properly calibrated.
**USE AS AN INSECT BARRIER**

**AS AN INSECT BARRIER—USE A "BACKPACK" FOG-TYPE MIST BLOWER**

For use in late-thermal U.S., moistured, paradise, beetles, flat-type mist blower equipment. Apply PEST-X™ UL 30-30 with equipment adapted to deliver U.V. particles of 50 to 100 air volume median diameter. PEST-X™ UL 30-30 may be applied undiluted or diluted (see Application Rate chart below). Undiluted, use 2 to 100 pounds of mist volume per acre, or more. (Recommended by Public Health Officials), suitable non-pharmaceuticals. Use PEST-X™ UL 30-30 with equipment adapted to deliver 50 to 150 pound per minute of mist volume per hour, at a rate of 0.1 to 0.152 m (5 to 7.5 cm) wide, with width of at least 2.0 mph (3.2 km). When applied undiluted, or diluted at a different speed, make sure that the same amount of pesticide is applied. PEST-X™ UL 30-30 is aquatic.

**DIRECTIONS FOR AERIAL APPLICATION**

Use aircraft specially equipped and capable of applying Ultra-low Volumes of PEST-X™ UL 30-30 according to the rate, speed, and aircraft size. Application cases may be made divided or undivided but cannot exceed the specified rates of 500 lb (227 kg) per acre and 1.007 lb (8.0 kg) per acre, or equivalent to 0.364 ft (0.110 m) of undiluted PEST-X™ UL 30-30 per acre. Applications should be made at an altitude of 50 to 300 feet. Apply at a rate sufficient to deliver the prescribed amount of active ingredient at the specified rate. A forward speed of 90 mph (145 km) and a vertical spray of 250 ft (76 m) is recommended (the maximum height from the ground) for aerial application of this product at 100 feet. Treat when insects are most active and meteorological conditions are conducive to keeping the spray cloud close to the ground. In order to compensate for windy conditions and ensure drift to the target area, aerial application with aircraft equipped with Spraying/Piloting Systems (SPS) is recommended.

**PROHIBITION ON AERIAL USE IN FLORIDA: No application of PEST-X™ UL 30-30 shall be made by aerial application in Florida unless specifically authorized by the Bureau of Entomology and Pest Control, Florida Department of Agriculture and Consumer Services.

This product can be applied over specific growing crops prior to harvest and range grasses for the control of adult insects and flying flies within or adjacent to these areas. Application can only be made where the following crops are present:
- Alfalfa, Almonds, Apples, Artichokes, Asparagus, Avocados, Broccoli, Brussels Sprouts, Celery, Cherries, Corn (top and pod), Corn (wheat), Eggplants, Filberts (Hazelnuts), Garlic, Hazelnuts, Lettuce, Okra, Olive (dry bulb only), Peas, Pecans/Regioscalis, Pomegranates, Peppers, Potatoes, Pumpkins, Slugs, Tomatoes, Turnips, and Watermelons.

**Crop Insects, including Cutworms (squat), Chinese mite (squash), and squash for the control of adult insects and flying flies within or adjacent to these areas. Application can only be made where the following crops are present:
- Alfalfa, Almonds, Apples, Artichokes, Asparagus, Avocados, Broccoli, Brussels Sprouts, Celery, Cherries, Corn (top and pod), Corn (wheat), Eggplants, Filberts (Hazelnuts), Garlic, Hazelnuts, Lettuce, Okra, Olive (dry bulb only), Peas, Pecans/Regioscalis, Pomegranates, Peppers, Potatoes, Pumpkins, Slugs, Tomatoes, Turnips, and Watermelons.

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**DILUTION RATES FOR PEST-X™ UL 30-30 FOR A 1:4 DILUTION**

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<th>Application Rate</th>
<th>Field Dose Per Minute at 10 MPH</th>
<th>Field Dose of PEST-X™ UL 30-30 Per Acre</th>
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</thead>
<tbody>
<tr>
<td>Pounds A.1 Per Acre</td>
<td>Field Dose Per Minute at 10 MPH</td>
<td>Field Dose Per Minute at 10 MPH</td>
</tr>
<tr>
<td>0.00090</td>
<td>0.00090</td>
<td>1.0090</td>
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<tr>
<td>0.00260</td>
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<td>2.6026</td>
</tr>
<tr>
<td>0.00760</td>
<td>0.00760</td>
<td>7.6076</td>
</tr>
</tbody>
</table>

**DILUTION RATES FOR PEST-X™ UL 30-30 FOR A 1:8 DILUTION**

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ACTIVE INGREDIENTS:
Permethrin .......................................................... 30%
Piperonyl Butoxide ............................................. 30%
OTHER INGREDIENTS**: ................................... 40%
TOTAL: ............................................................... 100%

*Butyl carbitol(piperonyl) ether and related compounds. **Contains Petroleum Distillate Contains 2.51 lbs a.i. Permethrin/gallon and 2.51 lbs a.i. Piperonyl Butoxide/gallon

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300518401
EPA Reg.No. 89459-44
EPA Est. No. 2724-TX-1

Manufactured for:
Central Garden & Pet Company
1501 East Woodfield Road 200W
Schaumburg, Illinois 60173

BASE TEXT
(Underneath Booklet)