SECTOR Misting Concentrate

- For Use in Automatic Spraying Systems, in animal quarters, cattle barns, stables, dairy and beef barns, milking parlors, poultry houses, swine housing, warehouses and residential backyards
- Polymeric Surfactant System — a formulation that allows convenient and stable dilution with water
- Will not harm most common ornamental plants
- Kills mosquitoes which may transmit West Nile Virus

ACTIVE INGREDIENT:
* Permethrin [(S-Phenoxypyphenyl) methyl (+ or -) cis-trans-3- (2,2-dichloroethyl) 2,2-dimethyl-cyclopropylcarboxylate] 10.00%
** Piperonyl Butoxide, Technical 10.00%
OTHER INGREDIENTS: 80.00%

* Cis-trans Isomer Ratio: Min. 35% (+ or -) cis and Max. 65% (+ or -) tran
** Equivalent to 8.00% (butylcarbamyl) (6-propyl-piperonyl) ether and 2.00% related compounds.

Contains 0.856 lbs. of Permethrin per gallon.
Sector® and MGK® is a registered trademark of McLaughlin Gormley King Company.

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID
IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person

IF ON SKIN OR CLOTHING: Take off contaminated clothing, flush the skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

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

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

 Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish and other aquatic organisms. For terrestrial use, Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or rinsates. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

PHYSICAL OR CHEMICAL HAZARDS

Do not use this product in or on electrical equipment due to possibility of shock hazard.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. See booklet for Directions for Use

Manufactured by:

MGK®
8810 Tenth Avenue North, Minneapolis, MN 55427

EPA Reg. No. 1021-3834
Rev. 12/09-0210

NET CONTENTS 64 OZ.
FIRST AID

IF SWALLOWED: • Gasp a poison control center or doctor immediately for treatment advice.
• Do not induce vomiting unless told to do so by the poison control center or doctor.
• Do not give any liquid to the person.
• Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: • Take off contaminated clothing.
• Rinse skin immediately with plenty of water for 15-20 minutes.
• Gasp a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information regarding medical emergencies or pesticide incidents, call 1-888-740-6712.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION
Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS
This pesticide is extremely toxic to fish and other aquatic organisms. For terrestrial use: Do not apply directly to water, or to areas where surface water is present or to intermittent areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or rinsates. Drift and run-off may be hazardous to aquatic organisms in water adjacent to treated areas. This product 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 actively visiting the treatment area.

PHYSICAL OR CHEMICAL HAZARDS
Do not use this product in or on electrical equipment due to possibility of shock hazard.

DIRECTIONS FOR USE
It is a violation of Federal law to use this product in a manner inconsistent with its labeling. READ ENTIRE LABEL BEFORE EACH USE.

Keep container sealed when not in use. Protect from freezing. To prepare dilutions, add the required amount of concentrate to water and blend thoroughly.

Not for Forestry Use or Commercial Nursery Use
Not for use on plants being grown for sale or other commercial use, or for commercial seed production or for research purposes.

For use outdoors and in homes and nonfood areas of commercial buildings, institutions, warehouses, theaters, office buildings, schools, motels, hotels, restaurants, food/feed processing establishments, hospitals, kennels, poultry houses, dairy, cattle barns, milking parlors, horse barns and swine houses.

Dilution rates on this label will yield the following ready-to-use product:

<table>
<thead>
<tr>
<th>RATE</th>
<th>Quarts of Concentrate per Gallon</th>
<th>% PERMETHRIN</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:9</td>
<td>6.4</td>
<td>0.50%</td>
</tr>
<tr>
<td>1:39</td>
<td>3.2</td>
<td>0.25%</td>
</tr>
<tr>
<td>1:100</td>
<td>1.38</td>
<td>0.10%</td>
</tr>
<tr>
<td>1:200</td>
<td>0.64</td>
<td>0.05%</td>
</tr>
<tr>
<td>1:400</td>
<td>0.32</td>
<td>0.025%</td>
</tr>
</tbody>
</table>

APPLICATION METHOD: SURFACE SPRAY:

PESTS CONTROLLED

PESTS CONTROLLED
Centipedes, Ground Beetles, Pillbugs, Sowbugs, Scorpions and Ticks

USE DIRECTIONS
Use a sprayer adjusted to deliver a coarse wet spray. Direct the spray into hatching places, cracks and crevices, under pallets, around containers of stored foods, around the base of machinery and behind shelves and drawers. Spray bookcases for Silverfish, Spray Ant trails, nests and points of entry. If surface application only is to be used, spray floors, walls and other surfaces applying at a rate of 1 gallon to 750 square feet of surface.

DILUTION RATE
For initial clean up of severe insect infestation, dilute at a rate of 1 part concentrate in 19 parts water (6.4 fluid ounces per gallon) (0.5%).

For normal infestations, dilute 1 part concentrate in 30 parts water (3.2 fluid ounces per gallon) (0.2%).

For maintenance use, dilute 1 part concentrate in 100 parts water (1.28 fluid ounces per gallon) (8 teaspoonsfuls per gallon) (0.1%).

PESTS CONTROLLED
Carpet Beetles

PREVIOUSLY CONTROLLED
Flying Insect Resting Places
(Ants in the Cornell Mosquitoes, Gnats, Skippers, Roach Etc. Multi-Colord Aai Ladity Beeltes)

Clothes Moths

Bedbugs

Lice and Louse E
The number following the dilution directions on this label refers to the ready-to-use Permethrin level.

For maximum effectiveness, a combination of localized application and space treatment is recommended. Remove pets and birds and cover fish aquariums before spraying.

**INDOOR USE AREAS**
Do not use in food areas of food handling establishments and restaurants or other areas where food is commercially processed or prepared. Do not use in serving areas where food is exposed or facility is in operation. Serving areas are areas where prepared foods are served such as dining rooms, but excluding areas where foods may be prepared or held. In the home, remove all exposed food and cooking utensils. Cover all food-processing surfaces or wash thoroughly after treatment and before use. Cover or remove exposed food.

**REDUCED FOOD EXPOSURE AREAS** include (but are not limited to) garages, basements, laboratories, storerooms, storage rooms, cabinets, closets and storage areas (other than those described above).

**APPLICATION METHOD: SURFACE SPRAY**

<table>
<thead>
<tr>
<th>PEDESTRIAN Controlled</th>
<th>USE DIRECTIONS</th>
<th>DILUTION RATE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cockroaches, Waterbugs, Palmetto Bugs, Ants, Silverfish, Furbats, Spiders, Crickets, Millipedes, Centipedes, Sawflies, Pillbugs, Silverfish, Fish, Cheese Mites, Grain Weevils, Rice Weevils, Centipedes, Spider Beetles, Red-Headed Flea Beetles, Saw-Toothed Grain Beetles, Spiders, Cigarette Beetles, Drug Store Beetles, Darkling Beetles, Mealworms, Grain Mites, Caddis, and Lesser Houseflies and other manure breeding flies.</strong></td>
<td>Use a sprayer adjusted to a coarse wet spray. Direct the spray into cracks and crevices, under pallets, around containers of stored foods, around the base of machinery and behind shelves and drawers. Spray bookcases for Silverfish. Spray all trails, nests and other points of entry. If surface application only or is to be used, spray floors, walls and other surfaces applying at a rate of 1 gallon to 200 square feet of surface.</td>
<td>For initial clean up of severe insect infestation, dilute at a rate of 1 part concentrate in 19 parts water (6.4 fluid ounces per gallon) (0.5%).</td>
</tr>
<tr>
<td><strong>Cockroaches, Waterbugs, Palmetto Bugs, Ants, Silverfish, Furbats, Spiders, Crickets, Millipedes, Centipedes, Sawflies, Pillbugs, Silverfish, Fish, Cheese Mites, Grain Weevils, Rice Weevils, Centipedes, Spider Beetles, Red-Headed Flea Beetles, Saw-Toothed Grain Beetles, Spiders, Cigarette Beetles, Drug Store Beetles, Darkling Beetles, Mealworms, Grain Mites, Caddis, and Lesser Houseflies and other manure breeding flies.</strong></td>
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<td><strong>Cockroaches, Waterbugs, Palmetto Bugs, Ants, Silverfish, Furbats, Spiders, Crickets, Millipedes, Centipedes, Sawflies, Pillbugs, Silverfish, Fish, Cheese Mites, Grain Weevils, Rice Weevils, Centipedes, Spider Beetles, Red-Headed Flea Beetles, Saw-Toothed Grain Beetles, Spiders, Cigarette Beetles, Drug Store Beetles, Darkling Beetles, Mealworms, Grain Mites, Caddis, and Lesser Houseflies and other manure breeding flies.</strong></td>
<td>Use a sprayer adjusted to a coarse wet spray. Direct the spray into cracks and crevices, under pallets, around containers of stored foods, around the base of machinery and behind shelves and drawers. Spray bookcases for Silverfish. Spray all trails, nests and other points of entry. If surface application only or is to be used, spray floors, walls and other surfaces applying at a rate of 1 gallon to 200 square feet of surface.</td>
<td>For initial clean up of severe insect infestation, dilute at a rate of 1 part concentrate in 19 parts water (6.4 fluid ounces per gallon) (0.5%).</td>
</tr>
<tr>
<td><strong>Cockroaches, Waterbugs, Palmetto Bugs, Ants, Silverfish, Furbats, Spiders, Crickets, Millipedes, Centipedes, Sawflies, Pillbugs, Silverfish, Fish, Cheese Mites, Grain Weevils, Rice Weevils, Centipedes, Spider Beetles, Red-Headed Flea Beetles, Saw-Toothed Grain Beetles, Spiders, Cigarette Beetles, Drug Store Beetles, Darkling Beetles, Mealworms, Grain Mites, Caddis, and Lesser Houseflies and other manure breeding flies.</strong></td>
<td>Use a sprayer adjusted to a coarse wet spray. Direct the spray into cracks and crevices, under pallets, around containers of stored foods, around the base of machinery and behind shelves and drawers. Spray bookcases for Silverfish. Spray all trails, nests and other points of entry. If surface application only or is to be used, spray floors, walls and other surfaces applying at a rate of 1 gallon to 200 square feet of surface.</td>
<td>For initial clean up of severe insect infestation, dilute at a rate of 1 part concentrate in 19 parts water (6.4 fluid ounces per gallon) (0.5%).</td>
</tr>
</tbody>
</table>

**APPLIED METHOD: SPACE SPRAY**

<table>
<thead>
<tr>
<th>PESTS CONTROLLED</th>
<th>USE DIRECTIONS</th>
<th>DILUTION RATE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cockroaches, Waterbugs, Palmetto Bugs, Ants, Silverfish, Furbats, Spiders, Crickets, Millipedes, Centipedes, Sawflies, Pillbugs, Silverfish, Fish, Cheese Mites, Grain Weevils, Rice Weevils, Centipedes, Spider Beetles, Red-Headed Flea Beetles, Saw-Toothed Grain Beetles, Spiders, Cigarette Beetles, Drug Store Beetles, Darkling Beetles, Mealworms, Grain Mites, Caddis, and Lesser Houseflies and other manure breeding flies.</strong></td>
<td>Use a sprayer adjusted to a coarse wet spray. Direct the spray into cracks and crevices, under pallets, around containers of stored foods, around the base of machinery and behind shelves and drawers. Spray bookcases for Silverfish. Spray all trails, nests and other points of entry. If surface application only or is to be used, spray floors, walls and other surfaces applying at a rate of 1 gallon to 200 square feet of surface.</td>
<td>For initial clean up of severe insect infestation, dilute at a rate of 1 part concentrate in 19 parts water (6.4 fluid ounces per gallon) (0.5%).</td>
</tr>
<tr>
<td><strong>Cockroaches, Waterbugs, Palmetto Bugs, Ants, Silverfish, Furbats, Spiders, Crickets, Millipedes, Centipedes, Sawflies, Pillbugs, Silverfish, Fish, Cheese Mites, Grain Weevils, Rice Weevils, Centipedes, Spider Beetles, Red-Headed Flea Beetles, Saw-Toothed Grain Beetles, Spiders, Cigarette Beetles, Drug Store Beetles, Darkling Beetles, Mealworms, Grain Mites, Caddis, and Lesser Houseflies and other manure breeding flies.</strong></td>
<td>Use a sprayer adjusted to a coarse wet spray. Direct the spray into cracks and crevices, under pallets, around containers of stored foods, around the base of machinery and behind shelves and drawers. Spray bookcases for Silverfish. Spray all trails, nests and other points of entry. If surface application only or is to be used, spray floors, walls and other surfaces applying at a rate of 1 gallon to 200 square feet of surface.</td>
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<tr>
<td><strong>Cockroaches, Waterbugs, Palmetto Bugs, Ants, Silverfish, Furbats, Spiders, Crickets, Millipedes, Centipedes, Sawflies, Pillbugs, Silverfish, Fish, Cheese Mites, Grain Weevils, Rice Weevils, Centipedes, Spider Beetles, Red-Headed Flea Beetles, Saw-Toothed Grain Beetles, Spiders, Cigarette Beetles, Drug Store Beetles, Darkling Beetles, Mealworms, Grain Mites, Caddis, and Lesser Houseflies and other manure breeding flies.</strong></td>
<td>Use a sprayer adjusted to a coarse wet spray. Direct the spray into cracks and crevices, under pallets, around containers of stored foods, around the base of machinery and behind shelves and drawers. Spray bookcases for Silverfish. Spray all trails, nests and other points of entry. If surface application only or is to be used, spray floors, walls and other surfaces applying at a rate of 1 gallon to 200 square feet of surface.</td>
<td>For initial clean up of severe insect infestation, dilute at a rate of 1 part concentrate in 19 parts water (6.4 fluid ounces per gallon) (0.5%).</td>
</tr>
</tbody>
</table>

**FLIES, FLIES, Ticks, Lice, and Mange Nits (adults and larvae) in kennels, doghouses, and other yards.**

For initial clean up of severe insect infestation, dilute at a rate of 1 part concentrate in 19 parts water (6.4 fluid ounces per gallon) (0.5%). For normal infestations, dilute at a part concentrate in 19 parts water (3.2 fluid ounces per gallon) (0.1%). For maintenance use, dilute at a part concentrate in 100 parts water (1.25 fluid ounces per gallon) (8 teaspoonsfuls per gallon) (0.1%).
<table>
<thead>
<tr>
<th>USE DIRECTIONS</th>
<th>DILUTION RATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spray edges of carpeting and under vinyl and rugs. Make localized applications to floor and baseboards. Spray directly into cracks, cleats and tested areas of shelving.</td>
<td>For initial clean up of severe insect infestation, dilute at a rate of 1 part concentrate in 19 parts water (6.4 fluid ounces per gallon) (0.5%). For normal infestations, dilute 1 part concentrate in 39 parts water (3.2 fluid ounces per gallon) (0.25%). For maintenance use, dilute 1 part concentrate in 100 parts water (0.23 fluid ounces per gallon) (0.1%).</td>
</tr>
<tr>
<td>Eat walls, ceilings, moldings, screens, s or frames, window frames, beams, light fixtures, and similar resting places. Dilute at a rate of 1 part concentrate in 19 parts water (6.4 fluid ounces per gallon) (0.5%).</td>
<td>For initial clean up of severe insect infestation, dilute at a rate of 1 part concentrate in 19 parts water (6.4 fluid ounces per gallon) (0.5%). For normal infestations, dilute 1 part concentrate in 39 parts water (3.2 fluid ounces per gallon) (0.25%). For maintenance use, dilute 1 part concentrate in 100 parts water (0.23 fluid ounces per gallon) (0.1%).</td>
</tr>
</tbody>
</table>

**PESTS CONTROLLED**
- Fleas, Flies, Ticks, Lace and Mange Mites (adults and larvae) in kennels, doghouses, runs and yards
- House Flies, Fruit Flies, Grubs, Mosquitoes, Skippers, Flies, Wasps, Hornets, Bees, Black Flies, Multi-Colored Asian Lady Beetles, Box Elder Bugs, Angoumein Grain Moths, and Tobacco Moths

**APPLICATION METHOD: SPACE SPRAY**
- Apply with mechanical or compressed air equipment (non-thermal) adjusted to deliver a fine mist. Close doors and windows and shut off ventilating systems. Direct spray at an upward angle distributing it uniformly through the entire area at a rate of 1 fluid ounce per 1,000 cubic feet of space. Keep area closed for at least 10 minutes. Vacate areas after treatment and ventilate and sweep up dead insects before occupying.
- For rapid kill of exposed or accessible stages of other insects named on this label. Apply using conventional mechanical or compressed air equipment (non-thermal), following directions for space spraying. Apply dilutions as at a rate of 1 fluid ounce per 1,000 cubic feet of space.

**OUTDOOR USE AREAS**
- Including Corrals, Drive-In Theaters, Drive-In Restaurants, Feed Lots, Gardens, Homes, Parks, Golf Courses, Playgrounds, Recreational Areas, Swine Lots, Urban Areas, Zoos.
- To help prevent infestation of buildings, treat the building foundation to a height of 2 to 3 feet where pests are active and may find entrance. Also, apply as a residual spray to outside surfaces of buildings, cattle, stables, and other areas where these pests may be found.

<table>
<thead>
<tr>
<th>APPLICATION METHOD: PREMISE SPRAY</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PESTS CONTROLLED</strong></td>
</tr>
<tr>
<td>Mosquitoes, Wasps, Gnats, Annoying Flies, and Skippers</td>
</tr>
<tr>
<td>House Flies, Fruit Flies, Grubs, Mosquitoes, Skippers, Flies, Wasps, Hornets, Bees, Black Flies, Multi-Colored Asian Lady Beetles, Box Elder Bugs, Angoumein Grain Moths, and Tobacco Moths</td>
</tr>
</tbody>
</table>

**USE DIRECTIONS**
- To treat walls, ceilings, moldings, screens, doorframes, window frames, beams, light fixtures, and similar resting places. Application should be made prior to occupancy. Cover any exposed water, drinking fountains and animal feed before application. In case of exposure, prevent exposure of reptiles to the product.
- Apply to insure thorough coverage of upper and lower surfaces. Thoroughly wet down grass a few hours before applying. Home lawns should be cut taller than 3 inches at time of application. Irrigate with 1 to 2 inches of water immediately after application. For heavy infestations, repeat application after 2 weeks. Treat trees and shrubs as soon as insects emerge (usually late spring). Treat leaves, branches, and tree trunks entirely, making sure to penetrate dense foliage. Repeat application every 7 days as necessary for control.

**APPLICATION METHOD:**
- On ROSES AND IN FLOWER GARDENS: Treat plants and flowers as soon as insects appear. Spray plants and flowers making sure to penetrate dense foliage. Repeat application every 7 days or as necessary for control.

**OUTDOOR USE AREAS:**
- Including Corrals, Drive-In Theaters, Drive-In Restaurants, Feed Lots, Gardens, Homes, Parks, Golf Courses, Playgrounds, Recreational Areas, Swine Lots, Urban Areas, Zoos.

**USE DIRECTIONS:**
- To help prevent infestation of buildings, treat the building foundation to a height of 2 to 3 feet where pests are active and may find entrance. Also, apply as a residual spray to outside surfaces of buildings, cattle, stables, and other areas where these pests may be found.

| **PESTS CONTROLLED** |
| Fire Ants |
| Ants, Crickets, Earwigs, Flies, and Ticks |
| Clover Mites, Milipedes, Sawflies (Pillbugs) |

**USE DIRECTIONS:**
- For initial clean up of severe insect infestation, dilute at a rate of 1 part concentrate in 19 parts water (6.4 fluid ounces per gallon) (0.5%). For normal infestations, dilute 1 part concentrate in 39 parts water (3.2 fluid ounces per gallon) (0.25%). For maintenance use, dilute 1 part concentrate in 100 parts water (0.23 fluid ounces per gallon) (0.1%).

**DILUTION RATE:**
- Dilute concentrate water per gal (0.25)

**APPLICATION METHOD:**
- Dilute concentrate water per gal (0.25)
- Mix 6. | 1 gal.

**USE DIRECTIONS:**
- For initial clean up of severe insect infestation, dilute at a rate of 1 part concentrate in 19 parts water (6.4 fluid ounces per gallon) (0.5%). For normal infestations, dilute 1 part concentrate in 39 parts water (3.2 fluid ounces per gallon) (0.25%). For maintenance use, dilute 1 part concentrate in 100 parts water (0.23 fluid ounces per gallon) (0.1%).

**DILUTION RATE:**
- Dilute concentrate water per gal (0.25)
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**APPLICATION METHOD:**
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**APPLICATION METHOD:**
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<table>
<thead>
<tr>
<th>Dilution Rate</th>
<th>Process Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Applications Method: Premise Spray</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Use Directions</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Peats Controlled</strong></td>
<td></td>
</tr>
<tr>
<td>Mosquitoes, Wasps, Gnats, Annoyance Flies, and Skippers</td>
<td>Treat walls, ceilings, window frames, beams, light cords, and similar resting places. Applications should be made prior to occupancy. Cover any exposed water, drinking fountains and animal feed before application. In zoos, prevent exposure of reptiles to the product. Dilute 1 part concentrate in 40 parts water (3.2 fluid ounces per gallon) (0.25%).</td>
</tr>
<tr>
<td>Gypsy Moth Caterpillars and Adults, Adult Japanese Beetles, Eastern and Forest Tent Caterpillars, Mole Crickets, and Grasshoppers</td>
<td>Apply to insure thorough coverage of upper and lower surfaces. Thoroughly wet down grass a few hours before applying. Home lawns should be not taller than 3 inches at time of application. Irrigate with 1/4 inch of water immediately after application. For heavy infestations, repeat application after 2 weeks. Treat trees and shrubs as soon as insects emerge (usually late spring). Treat leaves, branches, and top trees evenly, making sure to penetrate dense foliage. Repeat application every 7 days as necessary for control. Dilute 1 part concentrate in 40 parts water (3.2 fluid ounces per gallon of water) (0.25%). Mix 1.62 fluid ounces per gallon of water and treat 1,000 sq. ft. Slightly more water may be used as long as the amount of product per area is the same.</td>
</tr>
<tr>
<td>Fire Ants</td>
<td>Apply at the rate of one gallon per mound as a gentle rain from a typical garden sprinkler can. Thoroughly wet the mound and surrounding area to a diameter of 4 feet. For best results, apply in cool weather, 65°F to 90°F, or in early morning or late evening hours. Treat new mounds as they appear. Do not disturb the mound prior to treatment. Treat all mounds in the vicinity and treat all colonies, which have not yet constructed mounds. Do not use equipment that produces a pressurized spray since this will disturb fire ants and cause migration, reducing product effectiveness. Mix 6.4 fluid ounces in 1 gallon of water.</td>
</tr>
<tr>
<td>Ants, Crickets, Earwigs, Fleas, and Ticks</td>
<td>For localized infestations of these insects in areas where there are weeds or bushy noncrop areas, spray treated areas thoroughly. For ants, thoroughly vet hills and runways. For severe infestation, dilute 1 part concentrate in 19 parts water (9.4 fluid ounces per gallon of water) (0.5%) and treat 400 linear feet with a 6-inch spray band. For normal infestations, dilute 1 part concentrate in 20 parts water (3.2 fluid ounces per gallon) (0.25%).</td>
</tr>
</tbody>
</table>
### Pests Controlled and Use Directions

<table>
<thead>
<tr>
<th>PESTS CONTROLLED</th>
<th>USE DIRECTIONS</th>
<th>DILUTION RATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Armyworms, Cutworms,</td>
<td>Thoroughly wet down grass a few hours before applying. Home lawns should be no</td>
<td></td>
</tr>
<tr>
<td>Chinch Bugs, Sod</td>
<td>taller than 3 inches at time of application. Delay watering or mowing for 24</td>
<td></td>
</tr>
<tr>
<td>Weevils</td>
<td>hours after treatment. Heavy infestation, repeat application after 2 weeks.</td>
<td></td>
</tr>
<tr>
<td>ANIMALS AND ANIMAL</td>
<td>Use outdoors during evenings and early mornings. Use indoors when necessary.</td>
<td></td>
</tr>
<tr>
<td>PREMISE USE AREAS</td>
<td>For use in kennels, dog runs, and similar areas.</td>
<td></td>
</tr>
<tr>
<td>Cattle, Lambs, Swine</td>
<td>For use in feedlots, barns, and similar areas.</td>
<td></td>
</tr>
<tr>
<td>Poultry Houses, Birdhouses,</td>
<td>For use in roosting areas, nest boxes, and similar areas.</td>
<td></td>
</tr>
<tr>
<td>Kennels, Galleries,</td>
<td>For use in animal feeding areas, barns, and similar areas.</td>
<td></td>
</tr>
<tr>
<td>Milk Parlors</td>
<td>For use in milking areas and similar areas.</td>
<td></td>
</tr>
</tbody>
</table>

### Pests Controlled and Use Directions

<table>
<thead>
<tr>
<th>PESTS CONTROLLED</th>
<th>USE DIRECTIONS</th>
<th>DILUTION RATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Horn Flies, Face Flies,</td>
<td>For clean up of severe insect infestation, dilute at a rate of 1 part</td>
<td></td>
</tr>
<tr>
<td>Horseflies, Ear Ticks</td>
<td>concentrate in 100 parts water (1.25 fluid ounces per gallon) (8 teaspoonfuls</td>
<td></td>
</tr>
<tr>
<td>(excluding deer, ticks,</td>
<td>per gallon) (0.1%). For normal infestations, dilute 1 part concentrate in</td>
<td></td>
</tr>
<tr>
<td>carrier of Lyme disease)</td>
<td>200 parts water (0.6 fluid ounce per gallon) (4 teaspoonfuls per gallon)</td>
<td></td>
</tr>
<tr>
<td>Poultry Milts, Northern</td>
<td>For maintenance use, dilute 1 part concentrate in 100 parts water (1.25 fluid</td>
<td></td>
</tr>
<tr>
<td>Fowl Milts and Lice</td>
<td>ounces per gallon) (8 teaspoonfuls per gallon) (0.1%). For normal infestations,</td>
<td></td>
</tr>
<tr>
<td></td>
<td>dilute 1 part concentrate in 200 parts water (0.6 fluid ounce per gallon)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(4 teaspoonfuls per gallon) (0.05%). For maintenance use, dilute 1 part</td>
<td></td>
</tr>
<tr>
<td></td>
<td>concentrate in 400 parts water (0.32 fluid ounce per gallon) (2 teaspoonfuls</td>
<td></td>
</tr>
<tr>
<td></td>
<td>per gallon) (0.025%). For maintenance use, dilute 1 part concentrate in 1500</td>
<td></td>
</tr>
<tr>
<td></td>
<td>parts water (2.12 fluid ounces per gallon) (10 teaspoonfuls per gallon)</td>
<td></td>
</tr>
</tbody>
</table>

### Pests Controlled and Use Directions

<table>
<thead>
<tr>
<th>PESTS CONTROLLED</th>
<th>USE DIRECTIONS</th>
<th>DILUTION RATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fleas, Ticks, Lice, and</td>
<td>Thoroughly wet the animal by dipping, spraying or spraying. Allow animal to</td>
<td></td>
</tr>
<tr>
<td>Mange Milts (adults and</td>
<td>dry in a warm place without rinsing or towelling. Gives long lasting protection</td>
<td></td>
</tr>
<tr>
<td>larvae on Dogs and</td>
<td>against re-infestation. Repeat applications at intervals of 2 to 3 weeks.</td>
<td></td>
</tr>
<tr>
<td>Livestock</td>
<td>Do not treat PUPPIES LESS THAN TWELVE WEEKS OLD.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>For clean up of severe insect infestation, dilute at a rate of 1 part</td>
<td></td>
</tr>
<tr>
<td></td>
<td>concentrate in 100 parts water (1.25 fluid ounces per gallon) (8 teaspoonfuls</td>
<td></td>
</tr>
<tr>
<td></td>
<td>per gallon) (0.1%). For normal infestations, dilute 1 part concentrate in</td>
<td></td>
</tr>
<tr>
<td></td>
<td>200 parts water (0.6 fluid ounce per gallon) (4 teaspoonfuls per gallon)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(0.05%). For maintenance use, dilute 1 part concentrate in 400 parts water</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(0.32 fluid ounce per gallon) (2 teaspoonfuls per gallon) (0.025%).</td>
<td></td>
</tr>
</tbody>
</table>

### Directions for Use

**Note:** Use to control or prevent the following Culex species that may include Flies, Hornets, Wasps, Cockroaches, Silverfish, Residential mining spray or registration required. Do not apply this pests Do not use in an area and also do not use in an area such as kitchens, bathrooms, and other areas where it is not safe to apply. If used in a direct area labeled to the pesticide, only use the product in the maximum application cubic feet per day. Mix 1/2 gallon (64 fluid ounces) and 90.9% Pyrethrin and 0.1% Pyrethroids and 0.1% Pyrethroids and 0.1% Pyrethroids. Add Concentrate System meter towards the target area system timer to operate.
FOR DAIRY CATTLE: Spray lactating dairy cows only after milking is complete.

FOR SWINE: Do not ship animals for slaughter within 5 days of last treatment.

DIRECTIONS FOR USE IN AUTOMATIC MISTING AND ULV SPRAYING SYSTEMS, IN AREAS SUCH AS ANIMAL QUARTERS, DAIRY AND BEEF BARRNS, Poultry HOUSES, swine housing, WAREHOUSES, ZOOs AND OTHER LISTED LIVESTOCK OR ANIMAL HOUSING AREAS.

To Kill Flies, Houseflies, Horn Flies, Stable Flies, Deer Flies, Horse Flies, Mosquitoes, including the Culicoides species that may carry and transmit the West Nile Virus, Gnats, Horseflies, Wasps, Yellow Jackets, Fire Brads, Small Flying Moths, Earwigs, Flies, Ticks, Crickets, Cockroaches, Silverfish, Spiders and other listed insects:
Mix 1/2 gallon (64 fluid ounces) of Concentrate in 55 gallons of water to yield a solution of 0.06% Permethrin and 0.08% Piperonyl butoxide. For high populations of insects or when treating species that are difficult to control, mix up to 1 gallon of Concentrate in 55 gallons of water to yield a solution of 0.16% Permethrin and 0.12% Piperonyl Butoxide. When filling tank, partially fill the system reservoir tank with water, add Concentrate to tank, then add water to obtain desired dilution.

System nozzles should deliver fine particle size droplets (aerosol or mist). Nozzles should be rated for a delivery rate not to exceed 1.25 fluid ounces of solution per minute, with one nozzle covering 100 square feet. Set system timer to operate in accordance with equipment directions.
Automatic spraying systems must not be designed and programmed to release pesticides where food is directly exposed to spray mist.

Personnel should vacate treatment areas while treatment is in progress. Treated areas should be thoroughly ventilated prior to re-entry by personnel. Do not use in commercial food handling establishments, restaurants, or other areas where food is commercially prepared or processed.

DIRECTIONS FOR USE IN OUTDOOR RESIDENTIAL MISTING SYSTEMS:
NOTE: NOT REGISTERED FOR USE IN Automatic ULV SPRAYING SYSTEMS in the State of New York.
Use to control or temporarily reduce annoyance from accessible stages of: Mosquitoes including the Culicoides species that may carry and transmit the West Nile Virus, Flies, Houseflies, Gnats, Deer Flies, Horse Flies, Hornets, Wasps, Yellow Jackets, Fire Brads, Small Flying Moths, Earwigs, Flies, Ticks, Crickets, Cockroaches, Silverfish, Spiders and other nuisance insects.

Residents misting system installers and service technicians must comply with the license, certification, or registration requirements of the state(s), tribe(s), or local authority(ies) where they are installed.
Do not apply this pesticide when people, pets, and food are present.
Do not use in an evaporative cooling system.
If used in a system with a reservoir tank for the end use dilution, the system reservoir tank must be locked. Securely attach the end use pesticide label and a dilution statement to the system reservoir tank in a weather protected area or plastic sleeve. The dilution statement must be stated as follows: this container holds ___ parts [product name] to ___ parts water. If used in a direct injection system, the pesticide container must be locked. Securely attach the end use label to the pesticide container in a weather protected area or plastic sleeve. Only use this product in Residential Misting systems that have been calculated to apply no more than the maximum application rate of 9.5 fluid ounces of 0.09% synergized permethrin solution per 1000 cubic feet per day.
Mix 1/2 gallon (64 fluid ounces) of Concentrate in 55 gallons of water to yield a solution of 0.09% Permethrin and 0.08% Piperonyl butoxide. For high populations of insects or when treating species that are difficult to control, mix up to 1 gallon of Concentrate in 55 gallons of water to yield a solution of 0.16% Permethrin and 0.12% Piperonyl Butoxide. When filling tank, partially fill the system reservoir tank with water, add Concentrate to tank, then add water to obtain desired dilution.

System nozzles should deliver fine particle size droplets (aerosol or mist). Direct nozzles to spray towards the target area and away from swimming pools, water bodies, or eating and cooking areas. Set system timer to operate in accordance with equipment directions.

<table>
<thead>
<tr>
<th>Automatic Spraying System Dilution Table</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A.</strong> System Tank size (in gallons)</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>15</td>
</tr>
<tr>
<td>20</td>
</tr>
<tr>
<td>30</td>
</tr>
<tr>
<td>55</td>
</tr>
</tbody>
</table>

When refilling a partially filled tank: Calculate the amount of additional solution (in gallon) Multiply the number of gallons required to refill tank to centrate in when refilling (to achieve 0.09% syr

STORAGE AND:
Do not contaminate water, food or feed by storage or PESTICIDE STORAGE: Store in a cool, dry area under Always store pesticides in the original container. Store elementary supplies. Place formulations on lower shelf.

PESTICIDE DISPOSAL: To avoid waste, use all label directed locations. If waste cannot be avoided, contact pesticide disposal program (often such programs are run by local environmental authorities or state agencies).
CONTAINER HANDLING:
Nonrefillable container. Do not reseal or refill this promptly after emptying. Then offer for recycling if available.

Tripe Rins as follows for containers of 5 Gallons application equipment or a mix tank and drain for 1 container ½ full with water and recap. Shake for 10 s or a mix tank or store unused for later use or dispose before degrading. Repeat this procedure two more times.
dairy cows only after milking is complete.
slaughter within 5 days of last treatment.

C. MISTING AND ULV SPRAYING SYSTEMS, IN AREAS SUCH AS ANIMALS, POULTRY HOUSES, SWINE HOUSING, WAREHOUSES, 2005/6 ANIMAL HOUSING AREAS.

Table Flies, Deer Flies, Horse Flies, Mosquitoes, including the Culex in the West Nile Virus, Gnats, Hornets, Wasps, Yellow Jackets, Fire Flies, Ticks, Crickets, Cockroaches, Silverfish, Spiders and other listed.

Concentrate in 55 gallons of water to yield a solution of 0.09% Per-De. For high populations of insects or when treating species that are not Concentrate in 55 gallons of water to yield a solution of 0.18% toxic. When filling tank, partially fill the system reservoir tank with the water to obtain desired dilution.

article size droplets (aerosol or mist). Nozzles should be rated for a certain solution per minute with a nozzle covering 100 square feet in accord with equipment directions.

be designed and programmed to release pesticides where feed is

rt treatment areas while treatment is in progress. Treated areas to

right area by personnel. Do not use in commercial food/feed handi


new West Nile Virus, Flies, House Flies, Gnats, Deer Flies, Horse Flies, Fire Flies, Small Flying Moths, Earwigs, Flies, Ticks, Crickets, Other nuisance insects, and service technicians must comply with the license, certification, label(s), invoice(s), or local authority(ies) where they are installed.

site, pets, and food are present.

system.

- tank for the end use dilution, the system reservoir tank must be pesticide labeled and a dilution statement to the system reservoir tank label. The dilution statement must be phrased as follows: this tank is for use with this system.

- pesticide container must be locked. Securely attach the end use weather protected area or plastic sleeve.

Misting systems that have been calibrated to apply no more than 5 fluid ounces of 0.09% synergized permethrin solution per 1000

Concentrate in 55 gallons of water to yield a solution of 0.09% Per-De. For high populations of insects or when treating species that are not Concentrate in 55 gallons of water to yield a solution of 0.18% toxic. When filling tank, partially fill the system reservoir tank with the water to obtain desired dilution.

- particle size droplet (aerosol or mist). Direct nozzle to spray swimming pools, water bodies, or eating and cooking areas. Set cc with equipment directions.

Automatic Spraying System Dilution Table

<table>
<thead>
<tr>
<th>A. System Tank size (in gallons)</th>
<th>B. Conversion Factor (Fluid ounces of Concentrate per gallon of water)</th>
<th>A x B = Fluid ounces of Concentrate for that tank size. To be mixed with water to achieve 0.09% synergized permethrin solution.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1.16</td>
<td>1.16</td>
</tr>
<tr>
<td>15</td>
<td>1.16</td>
<td>17</td>
</tr>
<tr>
<td>20</td>
<td>1.16</td>
<td>23</td>
</tr>
<tr>
<td>30</td>
<td>1.16</td>
<td>35</td>
</tr>
<tr>
<td>55</td>
<td>1.16</td>
<td>64</td>
</tr>
</tbody>
</table>

When refilling a partially filled tank:

Calculate the amount of additional solution (in gallons) required to fill the tank to the desired level. Multiply the number of gallons required to refill tank times 1.16 to determine the amount of this concentrate to add when refilling (to achieve 0.09% synergized permethrin solution).

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. PESTICIDE STORAGE: Store in a cool, dry area under lock and key. Post as a pesticide storage area. Always store pesticides in the original container. Store away from food, feed, seed, fertilizers, and veterinary supplies. Place formulations on lower shelves and dry storage areas. 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: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill. Triple Rinse as follows (for containers of 5 gallons or less):

1. 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 1/4 full with water and recap. Shake for 10 seconds. Pour rinse into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

KEEP OUT OF REACH OF CHILD CAUTION

See Backlot for First Aid, Precautionary Statements and Directions.

Manufactured by: MGK

6810 Tenth Avenue North, Minneapolis, MN 55427

EPA Reg. No. 1021-1834
EPA Est. No. 1021-MN-2, 53416-MN-1
Rev. 1209-0210

Superprint is the first character of
**SECTOR**

**Misting Concentrate**

- For use in automatic spraying systems, in animal quarters, cattle barns, dairies, dairy and beef barns, milking parlors. poultry houses, swine housing, warehouses and residential backyards.
- Polymeric Surfactant System – a formulation that allows convenient and stable dilution with water.
- Will not harm most common ornamental plants.
- Kills mosquitoes which may transmit West Nile Virus.

**ACTIVE INGREDIENT:**

- Permethrin [*[(3-Phenoxophenyl) methyl (+ or -) cis-trans-3-(2,2-dichloroethenyl) 2,2-dimethylcyclopropanecarboxylate]]
  
  ** Piperonyl Butoxide, Technical**

**OTHER INGREDIENTS:**

- 10.00%
- 10.00%
- 80.00%
- 100.00%

**Cis-trans isomers ratio: Min. 35% (+ or -) cis and Max. 65% (+ or -) trans**

**Equivalent to 8.00% (butylcarbaryl) (6-propylpiperonil) ether and 2.00% related compounds.**

Contains 0.856 lbs. of Permethrin per gallon.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See booklet for first aid, precautionary statements and directions for use.

Manufactured by: MGK

8810 Tenth Avenue North, Minneapolis, MN 55427

EPA Reg. No. 1021-1934
Rev. 1209-0210

EPA Est. No. 1021-MN-24, 63416-MN 1, 70815 CA 1

Superscript is the first character of the lot number.

F27991-050
DIRECTIONS FOR USE IN OUTDOOR RESIDENTIAL MISTING SYSTEMS:

For use in automatic spraying systems in animal quarters, cattle barns, avaries, dairy, dairy and beef barns, milking parlors, poultry houses, swine housing, warehouses and residential backyards.

Please see_cache_storage and disposal section for instructions on proper storage and disposal.

PESTICIDE STORAGE:

For the best protection against contamination, secure the storage container in a well-ventilated area.

CONTAINER STORAGE:

Store in a well-ventilated area. Do not allow to come in contact with cotton or wool. The container must not be left unattended.

CONTAINER DESTRUCTION:

Do not attempt to destroy the container. Do not use metal or recycled containers. The container must be submitted to the nearest EPA-approved facility for disposal.

FIRST AID:

For small spills:

1. Ship spill onto a cloth and dispose of in an appropriate waste container.
2. Use personal protective equipment, such as gloves and goggles.
3. Do not attempt to remove any spills or leaks. Do not attempt to clean up the spill with water.

FOR IN-SERVICE CLEANING:

1. Ship spill onto a cloth and dispose of in an appropriate waste container.
2. Use personal protective equipment, such as gloves and goggles.
3. Do not attempt to remove any spills or leaks. Do not attempt to clean up the spill with water.

UNIFYING STATEMENTS:

If mucous membranes or skin contact occur:

1. Wash with soap and water.
2. Remove contaminated clothing.

ENVIRONMENTAL HAZARDS:

The product is environmentally friendly and is designed for use in pest control applications. It is non-toxic and does not contain any hazardous substances. It is not a risk to human or animal health. It is not hazardous to the environment.

PHYSICAL OR CHEMICAL HAZARDS:

The product is non-toxic and does not contain any hazardous substances. It is not a risk to human or animal health. It is not hazardous to the environment.

For use in the following areas:

1. Animal quarters
2. Cattle barns
3. Avaries
4. Dairy
5. Dairy and beef barns
6. Milking parlors
7. Poultry houses
8. Swine housing
9. Warehouses
10. Residential backyards

DIRECTIONS FOR USE IN OUTDOOR RESIDENTIAL MISTING SYSTEMS:


For use in automatic spraying systems in animal quarters, cattle barns, avaries, dairy, dairy and beef barns, milking parlors, poultry houses, swine housing, warehouses and residential backyards.

Dilution rates on this label will yield the following ready-to-use product:

<table>
<thead>
<tr>
<th>Rate</th>
<th>Fluid ounces of concentrate per gallon</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:10</td>
<td>0.106</td>
<td>0.00%</td>
</tr>
<tr>
<td>1:50</td>
<td>0.212</td>
<td>0.00%</td>
</tr>
<tr>
<td>1:100</td>
<td>0.424</td>
<td>0.00%</td>
</tr>
<tr>
<td>1:200</td>
<td>0.636</td>
<td>0.00%</td>
</tr>
</tbody>
</table>

This label following the dilutions directions on this label refers to the ready-to-use formula that is located above.

For more information, contact your local pest control service or space manufacturer.

For pet use—USE ONLY ON DOGS

INDOOR USE AREAS:

The product is effective in controlling pests in both residential and commercial buildings. It is not a risk to human or animal health. It is not hazardous to the environment.

ENVIROMENTAL HAZARDS:

The product is environmentally friendly and is designed for use in pest control applications. It is non-toxic and does not contain any hazardous substances. It is not a risk to human or animal health. It is not hazardous to the environment.

PHYSICAL OR CHEMICAL HAZARDS:

The product is non-toxic and does not contain any hazardous substances. It is not a risk to human or animal health. It is not hazardous to the environment.

This label following the dilutions directions on this label refers to the ready-to-use formula that is located above.

For more information, contact your local pest control service or space manufacturer.
### Application method: Surface spray

**Pests controlled:**
- Chinch Bugs
- Bagworms
- Spittle Bugs
- Spiders
- Fleas
- Mosquitoes
- Ants
- Termites
- White Flies
- Scale Insects
- Aphids
- Leafhoppers
- Mealybugs
- Thrips

**Use directions:**
- Spray all over the infested area, avoiding contact with people, pets, and non-target plants.
- Re-treat in 7-10 days if necessary.

**Outlook rate:**
- 4 oz per gallon of water

### Application method: Space spray

**Pests controlled:**
- Bed Bugs
- Cockroaches
- Spiders
- Ants
- Mice
- Rats

**Use directions:**
- Apply as a foam to the desired areas.

**Outlook rate:**
- 4 oz per gallon of water

### OUTDOOR USE AREAS

- Patios
- Porches
- Decks
- Lawn
- Garden
- Birdhouses
- Bird feeders
- Ponds
- Bird baths

### Application method: Pressurized spray (continued)

**Pests controlled:**
- Ticks
- Chiggers
- Insects

**Use directions:**
- Apply to the infested area, avoiding contact with people, pets, and non-target plants.

**Outlook rate:**
- 4 oz per gallon of water

### ANIMALS AND ANIMAL PREMISE USE AREAS

- Cages
- Pins
ges
- Feeders
- Waterers
- Kennels
- Basins
- Playpens

**Pests controlled:**
- Fleas
- Ticks
- Mosquitoes
-Ants

**Use directions:**
- Apply as a foam to the desired areas.

**Outlook rate:**
- 4 oz per gallon of water

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**NOTICE:**
- Spray is being tested daily only after being fully developed.

**FOR GrASS:**
- Do not apply this substance directly to GrASS.

**DIRECTIONS FOR USE IN AUTOMATED Misting AND LInk SPRAYING SYSTEMS:**
- In areas with closely spaced, highly visible pest-pressure, automated misting systems are not recommended for use.

**FREQUENTLY ASKED QUESTIONS:**
- How do I know if the misting system is working properly?
- How often should I water the area?
- What are the side effects of using this product?

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