RIPTIDE®
Waterbased Pyrethrin ULV

- Kills Mosquitoes that may transmit West Nile Virus
- Kills Flying Insects
- Kills Crawling Insects
- Kills Stored Product Pests
- Kills Cockroaches

ACTIVE INGREDIENTS:
- Pyrethrins .................................................. 5.00%
- Piperonyl butoxide ...................................... 25.00%
OTHER INGREDIENTS ........................................ 70.00%
- (butylcarbamyl) (6-propy1piperonyl) ether and related compounds

RIPTIDE®, MGK® - Registered trademarks of McLaughlin Gormley King Company

FIRST AID
IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. 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. 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 or clothing.

ENVIRONMENTAL HAZARDS
This product is toxic to aquatic organisms, including fish and invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. This product may contaminate water through runoff. This product has a potential for runoff for several weeks after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product.

KEEP OUT OF REACH OF CHILDREN
CAUTION
See Inside Leaflet for Additional Precautionary Statements

NET CONTENTS 64 FL. OZ.
EPA Reg. No. 1021-1785
EPA Est. No. 1021-MN-2A, 63416-MN-19, 70815-GA-1C
Superscript is the first character of the lot number
Rev. 0514-0514
F7446-050

8810 Tenth Avenue North • Minneapolis, MN 55427

Manufactured by:

PULL HERE TO OPEN / PRESS TO RESEAL
## FIRST AID

**IF SWALLOWED:**
- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by the poison control center or doctor.
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**IF ON SKIN OR CLOTHING:**
- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
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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 or clothing.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Masks, barriers, applications, and other handlers must wear the following:
- Long-sleeved shirt.
- Long pants.
- Chemical-resistant gloves made of barrier laminate, nitrile rubber, neoprene rubber, polyvinyl chloride or vinyl, and shoes and socks.

In addition to the above PPE, applications using a high pressure wand in an enclosed area must wear at a NIOSH-approved respirator with:
- a dust/mist filter with MSHA/NIOSH approval number prefix TC-21C or any R, P, or N filter.

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

### USER SAFETY REQUIREMENTS

User should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. User 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 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.

## ENVIRONMENTAL HAZARDS

This product is toxic to aquatic organisms, including fish and invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. This product may contaminate water through runoff. This product has a potential for runoff for several weeks after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product.

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.

Do not apply directly to water, 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 washwaters or rinsates.

## INDOOR AREAS for use in and around:


## FOR USE ON:

### Beaufall Erns, Erns such as Poisonous, Pigs, Poles

### FOR THE CONTROL:

### Almond Neats, Armp Dog Ticks, Cadell Neats, Cigarette Beetles, Flea Beetles, Cicles, Ciliated Fruit Beetles, Drugs, Fy, Grains, Grain Mill Moths, Grass Beetles, Merchant Grain Beetles, West Nile Virus, Flying I Grain Beetles, Saw Blade Fleas, Saw Blade Fleas, Ticks, Ticks, Beetles, Warehouses...
DRIED FRUIT PRO
Almond Nuts, Ant
Confused Horn Beetle
Mediterranean Horn
Frut Beetles, Wasp
fine mist or fog in th
out of concentra
doegous as required

TREATMENT OF SI
packaging stored in
Materials, Angoumis
Skippers, Chocolate
Dark Mealworms, Dr
Mites, Granary We
Mosquitoes, Red Fi
Flying Moths, Spice
Beetles, Rusty Grain
Destroy, fumigate, f
approved product to
per 1,000 square fee
arounds of pa
space spray at a do
space (1.04 ml/0.5)

ON PEANUTS, NUT
(BIRDS) MIXED FOOD
OTHER PACKAGIN
Grain Nuts, Arts, C
Cigarette Beetles, Cc
Beetles, Carwigs, Fle
Beetles, Indian Meal
Worms, Saw-toothi
Yellow Mealworms, I
Beetles, Coffee Bean
store or bagged on
(0.08 ml/0.5 g)
Also thoroughly, be
spoilage or have
in satchel, or stow
spoilage, or mixe
INDOOR USE - DIL
SPACE SPRAY: For
stages of Almond N
Clear, Cheese Skipp
Beetles, Crickets, Df
Grains, Grain Fl
Nuts, Mosq
Silverflnow, Small Fly
Warehouse Beetles,
DRIED FRUIT PRODUCT STORAGE AREAS: In storage or in processing for control of Almond Moths, Ants, Cereal Beetles, Chocolate Moths, Cigarette Beetles, Cockroaches, Confused Flour Beetles, Crickets, Earwigs, Flies, Fruit Flies, Funnel Gnats, Indian Meal Moths, Mediterranean Flour Moths, Red Flour Beetles, Saw-toothed Grain Beetles, Silverfish, Dried Fruit Beetles, Warehouse Beetles, and Khapra Beetles. Do not apply to fruit directly. Apply as a fine mist or fog in the air above and around the trays, bins, and shelves at the rate of 1 fluid ounce of concentrate per 1,000 cubic feet of space (0.54 m³). Repeat application at this dosage as required.

TREATMENT OF STORED FOOD AREAS: Foods in multi-walled bags, cloth bags or other packaging stored in such locations are for the control of access of adult stages of: Almond Moths, Anagyrus Grain Moths, Ants, Caddisflies, Cereal Beetles, Cheese Mites, Cheese Skippers, Chocolate Moths, Cigarette Beetles, Codcoaches, Confused Flour Beetles, Crickets, Dark Mealworms, Drugstore Beetles, Earwigs, Fleas, Flies, Fruit Flies, Funnel Gnats, Grain Mites, Granary Weevils, Hide Beetles, Indian Meal Moths, Mediterranean Flour Moths, Mosquitoes, Red Flour Beetles, Rice Weevils, Saw-toothed Grain Beetles, Silverfish, Small Flying Moths, Spiders, Spider Beetles, Yellow Mealworms, Dried Fruit Beetles, Warehouse Beetles, Rusty Grain Beetles, Lesser Grain Beetles, Coffee Bean Weevils, and Khapra Beetles. Destroy, ferment, or treat insected stored products by other effective methods using an approved product intended for this purpose. Using no more than 11 fluid oz. of concentrate per 1,000 square feet, dispense by direct spray into cracks and crevices, corners, pails and around edges of packages and then apply the spray at a dosage of one (1) fluid ounce of concentrate per 1,000 cubic feet of room space (1.04 m³). Vacate treated area and ventilate before re-entry.

ON PEANUTS, NUTS & WALNUTS, SEEDS, (INCLUDING COCOA), SEEDS (BIRTHSEED MIXTURES, COTTONSEED & PALM Kernel) IN BAGS OR OTHER PACKAGING: For the control of access stages of: Almond Moths, Anagyrus Grain Moths, Ants, Caddisflies, Cereal Beetles, Cheese Mites, Cheese Skippers, Chocolate Moths, Cigarette Beetles, Codcoaches, Confused Flour Beetles, Crickets, Dark Mealworms, Drugstore Beetles, Earwigs, Fleas, Flies, Fruit Flies, Funnel Gnats, Grain Mites, Granary Weevils, Hidet Beetles, Indian Meal Moths, Mediterranean Flour Moths, Mosquitoes, Red Flour Beetles, Rice Weevils, Saw-toothed Grain Beetles, Silverfish, Small Flying Moths, Spiders, Spider Beetles, Yellow Mealworms, Dried Fruit Beetles, Warehouse Beetles, Rusty Grain Beetles, Lesser Grain Beetles, Coffee Bean Weevils, and Khapra Beetles and other listed insects, apply to the surface of stored or bagged products at the rate of 1 fluid ounce of concentrate per 1,000 square feet (0.08 m²). Also spray walls, floors and surfaces of bins, storage and handling areas thoroughly, being especially careful to treat cracks, crevices and similar hiding places. Then apply as a space spray by directing the spray toward the ceiling and upper corners of the area and behind any obstructions. Apply at the rate of 0.33 or 0.75 fluid ounce of concentrate per 1,000 cubic feet of room space. Vacate treated area and ventilate before re-entry. Do not apply more than once per day. Do not reapply within 7 days. Do not apply more than 10 times to sweet potatoes.

INDOOR USE - DILUTED SPACE SPRAY: For use in mechanical fogging or spraying equipment to control accessible stages of Almond Moths, Anagyrus Grain Moths, Ants, Caddisflies, Cereal Beetles, Cheese Mites, Cheese Skippers, Chocolate Moths, Cigarette Beetles, Codcoaches, Confused Flour Beetles, Crickets, Dark Mealworms, Drugstore Beetles, Earwigs, Fleas, Flies, Fruit Flies, Funnel Gnats, Grain Mites, Granary Weevils, Hidet Beetles, Indian Meal Moths, Mediterranean Flour Moths, Mosquitoes, Red Flour Beetles, Rice Weevils, Saw-toothed Grain Beetles, Silverfish, Small Flying Moths, Spiders, Spider Beetles, Yellow Mealworms, Dried Fruit Beetles, Warehouse Beetles, Rusty Grain Beetles, Lesser Grain Beetles, Coffee Bean Weevils, and Khapra Beetles. Remove or cover exposed food and cover food-handling surfaces in edible product areas of food-handling establishments with a hood, fan, and shut off all air conditioning or ventilating equipment. Dilute at the rate of 1 part concentrate into 1 to 10 parts water and mix well. Apply at the rate of 1.2 fluid ounces of diluted product per 1,000 cubic feet of space (1.04 to 2.08 m³), filling the room with mist. Vacate treated area and ventilate before re-entry.

<table>
<thead>
<tr>
<th>Concentrate</th>
<th>Water</th>
<th>Fluid ounces of Concentrate: Per ounce of solution volume</th>
<th>Fluid Ounces of water per ounce of solution volume</th>
<th>Pounds of Pyrethrum per 1,000 sq. ft. (20.32 m²) when applied at 1 fl. oz. per 1,000 sq. ft. (1.04 m³) (gm Pyrethrum/ml)</th>
<th>Percent Pyrethrin in Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undiluted</td>
<td></td>
<td>0.90 (4.53 m³)</td>
<td>6.00</td>
<td>0.00322 / 0.00324 gm/ml</td>
<td>1.96%</td>
</tr>
<tr>
<td>1</td>
<td>1</td>
<td>0.90 (4.53 m³)</td>
<td>6.00</td>
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</tr>
<tr>
<td>3</td>
<td>1</td>
<td>0.90 (4.53 m³)</td>
<td>6.00</td>
<td>0.00322 / 0.00324 gm/ml</td>
<td>1.96%</td>
</tr>
<tr>
<td>3</td>
<td>2</td>
<td>0.27 (1.37 m³)</td>
<td>1.69</td>
<td>0.00171 / 0.00173 gm/ml</td>
<td>1.75%</td>
</tr>
<tr>
<td>3</td>
<td>3</td>
<td>0.19 (0.95 m³)</td>
<td>1.19</td>
<td>0.00114 / 0.00115 gm/ml</td>
<td>1.17%</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
<td>0.13 (0.63 m³)</td>
<td>0.83</td>
<td>0.00079 / 0.00080 gm/ml</td>
<td>0.79%</td>
</tr>
<tr>
<td>3</td>
<td>5</td>
<td>0.11 (0.55 m³)</td>
<td>0.69</td>
<td>0.00066 / 0.00067 gm/ml</td>
<td>0.67%</td>
</tr>
<tr>
<td>3</td>
<td>6</td>
<td>0.11 (0.55 m³)</td>
<td>0.69</td>
<td>0.00066 / 0.00067 gm/ml</td>
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</tr>
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<td>3</td>
<td>7</td>
<td>0.11 (0.55 m³)</td>
<td>0.69</td>
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<td>0.67%</td>
</tr>
<tr>
<td>3</td>
<td>8</td>
<td>0.11 (0.55 m³)</td>
<td>0.69</td>
<td>0.00066 / 0.00067 gm/ml</td>
<td>0.67%</td>
</tr>
<tr>
<td>3</td>
<td>9</td>
<td>0.11 (0.55 m³)</td>
<td>0.69</td>
<td>0.00066 / 0.00067 gm/ml</td>
<td>0.67%</td>
</tr>
</tbody>
</table>

EXAMPLE: To determine how much concentrate to put into a 44 fluid ounce (1.26 l) fogger tank to achieve a mix of 1 part concentrate with 5 parts water, multiply 0.17 (from chart above) times 44 (fluid ounces of solution needed) = 7.48 fluid ounces (221 ml) of concentrate (7.5 fluid ounces [221 ml] with rounding). Fill remainder of tank volume with 36.52 fluid ounces (1,079.8 ml) of water (365.1,080 ml) (with rounding) – to a total of 44 fluid ounces (1.30 l).

FOR USE IN FEDERALLY INSPECTED MEAT AND POULTRY PLANTS: Dilute one part concentrate with 4 parts water and use with a ULV spraying device at the rate of one fluid ounce of diluted product per 1,000 cubic feet of space (1.04 m³) of room space. Apply the spray into all cracks and crevices in workroom, walls, and floors, underneath wires, behind pipes and in all places that shelter insects. Contact as many insects as possible. Before use, exposed food products and packaging materials must be covered or removed. After use, equipment and utensils must be washed with an effective cleaning compound and rinsed with potable water. Use as a space spray only when plant is not in operation. Repeat as necessary but not more than once per day. Do not reapply within one (1) day.

SURFACE SPRAY: To control accessible stages of Codcoaches, Silverfish, Beetles, and Crickets: Dilute 3 fluid ounces of concentrate with one gallon of water, mix well and apply as a coarse wetting spray using 1 gallon of spray mixture per 1,000 square feet of surface. To ensure maximum control of listed crawling insects, spray thoroughly into all cracks, moldings.
crevices, walls, floors, and other surfaces of bins and storage and handling areas. Particular attention should be paid to areas where moisture collects such as around drains, sinks, and water pipes, around the base of heavy machinery and equipment contacting as many insects as possible.

ANTS: Spray directly into nests, along trails, and directly on all ants observed.

FOR IN TRANSIT PROTECTION: To control accessible stages of listed insects, clean and spray truck beds, boxes, ships, etc., and other listed transit equipment before loading. Thoroughly treat walls and floors and spray each layer of cartons or containers lightly as stacked. Dilute 3 fluid oz. of concentrate with 1 gallon of water for each 1,000 sq. ft. of area to be treated.

TREATMENT OF STORED GRAIN: To control accessible stages of Indian Meal Moths and Anagyrus Gran Moths: Dilute 3 fluid oz. of product with 1 gallon for each 1,000 bushels of grain to be treated. Apply diluted spray to the surface of binned grain. Apply at intervals with the first appearance of infestation in severe infestations of flying moths, break up nesting with a rake before spraying and make a second application in two weeks. Do not reapply within 30 days.

STORAGE AREAS FOR DRIED FRUIT PRODUCTS: For control of Confused Flour Beetles, Dried Fruit Beetles, Indian Meal Moths, and Saw-toothed Grain Beetles. Remove and destroy infected products. Apply diluted spray as a fine mist in the air above the trays and shelves. Do not store products on the floor. Dilute at the rate of 1 part concentrate to 10 parts water, and mix well. Use 1 fluid ounce of diluted product per 1,000 cubic feet (1.04 ml/l) of space. Repeat application at this dosage in any given month. Leave the room closed for one hour. Vacuum treated areas and ventilate the area before re-entry. Sweep up and destroy fallen insects.

FOOD STORAGE AREAS: Containing multi-walled bags, cloth bags, and other packaging in warehouses, storage rooms, flour mills, grain elevators, granaries, and other listed areas for the control of Augochlora gran Moths, Cadelle, Confused Flour Beetles, Indian Meal Moth, Mediterranean Flour Moth, Rice Weevil, Saw-toothed Grain Beetles, Yellow Mealworms, Cheese Mites, Cheese Spiders, Cigarette Beetles, Grain Moths, Granary Weevils, Dark Mealworms, and Red Flour Beetles. Remove and destroy infected products. First dispose of distorted fruits by directing spray into corners, under pallets, and around stacks of packaged foods. Hitting as many insects as possible and then treat as a space spray. Infested stored products should be fumigated or treated by other effective methods using an approved product intended for this purpose. Dilute at the rate of 1 part concentrate to 10 parts water and mix well. Use at a rate of one to two (1-2) fluid ounces of diluted product per 1,000 cubic feet (1.04 ml to 2.08 ml/l) of space. Vacuum treated areas and ventilate area before re-entry. This application will kill exposed stages of those stored product pests listed. Sweep up and destroy fallen insects.

FOR USE ON ANIMALS: To protect beef and dairy cattle and horses from Horn Flies, Houseflies, Mosquitoes, and Gnats. Dilute 1 part concentrate with 49 parts water, mix well and apply a light mist sufficient to wet the tips of the hairs. To control Stable Flies, Horse Flies, and Deer Flies on animals apply two (2) fluid ounces of diluted product (60 ml) per adult animal in an amount sufficient to wet the hair but not to soak the hide. Repeat treatment once or twice daily at intervals to give continued protection. To control the mottle stages of Blood-Sucking Lice on beef and dairy cattle and other listed animals, apply the spray to thoroughly wet the hair. Use two (2) fluid ounces of diluted product (60 ml) or less per animal and repeat every 2 to 3 weeks as required.

To control Poultry Lice, spray roots, walls and nests or cages thoroughly with a dilution of one (1) part concentrate to 25 parts water followed by spraying over the birds with a fine mist.

ANIMAL QUARTER USE - DAIRY AND BEEF BARNs, POULTRY HOUSES, SWINE HOUSING AND OTHER LISTED AREAS: For use in and around listed areas to control accessible stages of Brown Dog Tick, Clover Mites, Cockroaches, Crickets, Deer Flies, Earwigs, Face Flies, Fleas, Flies, Horn Flies, Hornets, Mosquitoes, Silverfish, Small Flying Moths, Spiders, Stable Flies, Ticks, Wasps, Yellow Jackets, Fennia Flies, and Darkling Beetles. Apply as a space spray in conventional ULV cold aerosol generator or fogger adjusted to deliver aerosol droplets. Whenever possible perform space spray application in the late evening when insects are at rest. Apply uniformly at the rate of 0.25 to 1.0 fluid ounces per 1,000 cubic feet (0.26 ml to 1.04 ml/l) of space above the animals. This concentration may also be diluted with water at the rate of one (1) part concentrate to 10 parts water and applied at the rate of 1-2 fluid ounces of diluted product per 1,000 cubic feet (1.04 ml to 2.08 ml/l) of space above the animals. Direct spray toward the upper portions of the enclosure, above the animals, filling the room with mist or fog. Vacuum treated areas and ventilate before re-occupying.

To control Bed Bugs and Mites in poultry houses, prepare a dilution of one (1) part concentrate to 25 parts water and spray crevices of roof purlins and tracks in walls and nests where the Bed Bugs and Mites hide.

FOR USE IN AUTOMATIC ULV SPRAYING SYSTEMS, IN AREAS SUCH AS ANIMAL QUARTERS, DAIRY AND BEEF BARNS, POULTRY HOUSES, SWINE HOUSING, WAREHOUSES, RESIDENTIAL BACKYARDS AND OTHER LISTED INDOOR AND OUTDOOR AREAS:

When using this product, installers and service technicians must comply with the license, certification, or registration requirements of the state(s), tribe(s), or local authorities where they are installed.

When applying via a remote activation device, do not apply when people and pets are present. If possible, when applying via automatic timer, set the timing for application when people and pets are unlikely to be present. Direct nozzles to spray towards the target area and away from areas where people are typically present. Do not use in an evaporating cooling system.

Do not use in misters located within 3 feet of air vents, air conditioner units, or windows.

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 reservoir tank in a weather protected area or plastic sleeve. The dilution statement must be phrased as follows: this container holds __ parts Riptide® Water-based Pyrethrum ULV 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.

This product must only be used in systems that have been calibrated to apply no more than the maximum application rate of 1.2 fluid ounces of concentrate per 1,000 cubic feet (1.04 ml to 2.08 ml/l) of space above the animals.


Use to kill or temporarily reduce annoyance from accessible stages of Brown Dog Ticks, Clover Mites, Cockroaches, Crickets, Deer Flies, Earwigs, Face Flies, Fleas, Flies, Gnats, Horn Flies, Hornets, Horse Flies, House Flies, including those that may transmit West Nile Virus, Silverfish, Small Flying Moths, Spiders, Stable Flies, Ticks, Wasps, Yellow Jackets, Fennia Flies, Darkling Beetles, and other nuisance insects.

Mix 1 gallon (16 fluid ounces (7.82 kg) of concentrate in 55 gallons (201 L) of water to yield a solution of 0.04% Pyrethrum and 0.25% Pyrethryl Butoxide, for high populations of insects, or when treating small concentrations in 55 gallons (201 L) of water. A concentrates, and then 1 size droplets (16.3 mg/l) of concentrate in 55 gallons (201 L) of water. Set system timer to

A. System Tank size (in gallons)

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 (1.04 L)</td>
<td>15 (56.7 L)</td>
</tr>
<tr>
<td>20 (75.6 L)</td>
<td>30 (113.4 L)</td>
</tr>
<tr>
<td>55 (208 L)</td>
<td>55 (208 L)</td>
</tr>
</tbody>
</table>

Since high vapor temp in system may be required, the antifungal agent is in the pH range from 3 to 4. Application is done over 100 feet with a solution in water soluble Pyrethrin. Release particles when wind sensor on the syringe automatically releases the trigger. Do not use in systems that have been calibrated to apply no more than the maximum application rate of 1.2 fluid ounces of concentrate per 1,000 cubic feet (1.04 ml to 2.08 ml/l) of space above the animals.
When treating species that are difficult to control, mix up to one (1) gallon (3.78 L) of concentrate in 15 gallons (57 L) of water to yield a solution of 0.046% pyrethrin and 0.46% Piperonyl Butoxide. When filling tank, partially fill the system reservoir tank with water, add concentrate, and then fill rest of tank with water. System nozzles should deliver fine particle size droplets (sprayed or mist). Nozzles should have a delivery rate not to exceed 1.25 fluid ounces (3.6 ml) of solution per minute, with one (1) nozzle covering 100 square feet (9.29 m²) per system to operate in accordance 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>C. A x B = Fluid ounces of Concentrate for specific tank size, to be mixed with water to achieve 0.046% pyrethrin solution.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 (3.8 L)</td>
<td>1.16 (34.34 ml)</td>
<td>1.16 (9 ml/L)</td>
</tr>
<tr>
<td>15 (56.7 L)</td>
<td>1.16 (34.34 ml)</td>
<td>17 (0.60 ml/L)</td>
</tr>
<tr>
<td>20 (76 L)</td>
<td>1.16 (34.34 ml)</td>
<td>23 (0.85 ml/L)</td>
</tr>
<tr>
<td>30 (114 L)</td>
<td>1.16 (34.34 ml)</td>
<td>35 (1.03 ml/L)</td>
</tr>
<tr>
<td>55 (208 L)</td>
<td>1.16 (34.34 ml)</td>
<td>64 (1.61 ml/L)</td>
</tr>
</tbody>
</table>

Since high water temperatures can degrade pyrethrins, it is recommended that system tanks be sheltered or insulated from direct exposure to the sun. Use of an EPA-approved anticoagulant is also recommended. For best performance, spray solution should be in the pH range from 5.5 to 7.0. Avoid setting up system nozzles in a manner that delivers spray solution into swimming pools or pools containing fish and other organisms that may be sensitive to Pyrethrins. Automatic systems must be programmed so as not to activate and/or release pesticides when people, pets and food or feed are present. Install a rain sensor and a wind sensor on the system to control drift and scurf. Lock the system reservoir tank and securely attach the legible copy of the label to the system reservoir tank, or on the outside of the system timer. Never use concentrate in an evaporative cooling system.

#### OUTDOOR USE:

To kill accessible stages of listed flying insects in listed outdoor areas, if possible, space spray application should be made in the evening or early morning when mosquitoes are typically most active. With a UV spraying device, spray at a dosage rate of 2 (2) fluid ounces of undiluted concentrate per minute upwind of the area to be controlled. If the equipment is truck mounted, keep the speed to approximately 10 mph with a swath width of 300 feet (91.4 m).

#### TEMPORARY REDUCTION OF ANNOYANCE FROM FLIES, MOSQUITOES, AND SMALL FLYING INSECTS:

The aforementioned outdoor ground application will give temporary relief of annoyance from these pests in listed outdoor areas. Direct application into tall grass and shrubbery and around lawns where these pests may hover or rest. Apply as a spray to the foliage or in areas where water to yield liquidations of Insects, or when treating species that are difficult to control, mix up to one (1) gallon (3.78 L) of concentrate in 15 gallons (57 L) of water to yield a solution of 0.046% pyrethrin and 0.46% Piperonyl Butoxide. When filling tank, partially fill the system reservoir tank with water, add concentrate, and then fill rest of tank with water. System nozzles should deliver fine particle size droplets (sprayed or mist). Nozzles should have a delivery rate not to exceed 1.25 fluid ounces (3.6 ml) of solution per minute, with one (1) nozzle covering 100 square feet (9.29 m²) per system to operate in accordance with equipment directions.

## TO CONTROL PESTS ON SHRUBS, FRUIT, AND SHADE TREES:


#### Misting Instructions:

1. Apply to plants using a sprayer with a nozzle that will deliver a fine mist or a fine spray, according to the instructions on the label.

#### How to Apply:

Spray the leaves and branches until dripping.

## AROUND HOUSE FOUNDATION:

#### 1. Apply to plants using a sprayer with a nozzle that will deliver a fine mist or a fine spray, according to the instructions on the label.

#### How to Apply:

Spray the leaves and branches until dripping.

## STORAGE AND DISPOSAL:

Do not contaminate water, food, or feed by storage or disposal. PESTICIDE STORAGE: Store in a cool, dry place. Always store pesticides in the original container. Store away from food and pet food.

PESTICIDE DISPOSAL: To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, apply 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: 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 1/3 full with water and recirculate for 10 seconds. Pour into application equipment or a mix tank or store rinsewater for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

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**NSF Listed.**

**74154 Riptide 64 oz L 5/27(14) 11:25 AM Page 2 (2,1)**
Cabbageworms, Hemlock Woolly
I, Mealylugs, Oak
+ Crawlers, Spider
n, Hemloc, Holly, Irown, and Yew
+ indicator to obtain

In, Clover Mites,
ugs, Spiders, and
+ indicator to obtain

out (1.52 mL bend
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arbage cans, tree

net. Store away
According to label
waste disposal
y state or local
se container (or
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iment or a mix
he flow begins

RIPTIDE®, MGK® - Registered trademarks of McLaughlin Gormley King Company

KEEP OUT OF REACH OF CHILDREN
CAUTION
See Inside Leaflet for Additional Precautionary Statements

EPA Reg. No. 1021-1785
EPA Est. No. 1021-MN-2°, 63416-MN-1°, 70815-GA-1°
Rev 0514-0514
Superscript is the first character of the lot number
F7448-050

NET CONTENTS 64 FL. OZ.

Manufactured by:
8310 Tenth Avenue South • Minneapolis, Minnesota 55427

Job #74154
**RIPTIDE**
Water-based Pyrethrin ULV

**ACTIVE INGREDIENTS:**
- Pyrethrin ..................................................... 0.50%
- *Cyanothamnus* sp. (pyrethrum) oil and related compounds

**OTHER INGREDIENTS:**
- 0.0005%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**
See reverse for full text and precautionary statements.

**DIRECTIONS FOR USE**

**FOR USE IN:**
- **Residential and Commercial Preparing to treat:**
  - **Residential and Commercial Preparing to treat:**
  - **Residential and Commercial Preparing to treat:**

**APPLICATION INSTRUCTIONS:**

- **Residential and Commercial Preparing to treat:**
  - **Residential and Commercial Preparing to treat:**
  - **Residential and Commercial Preparing to treat:**

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**FOR THE CONTROL OF INSECTS, INCLUDING:**

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