

# Mavrik®

## Perimeter

- FOR COMMERCIAL USE ONLY ON OUTDOOR PLANTS IN ORNAMENTAL PLANTINGS, PLANTSCAPES (INCLUDING TREES AND SHRUBS) AND FOR PERIMETER TREATMENT AROUND BUILDINGS AND OUTSIDE SURFACES
- PERIMETER TREATMENT AGAINST A WIDE RANGE OF INSECTS INCLUDING MOSQUITOES AND FIRE ANTS
- IDEAL FOR APPLICATIONS WITHOUT THE WORRY OF WATERING-IN
- CONTAINS TAU-FLUVALINATE
- SMALL, EASY TO USE 8 OZ. BOTTLE

## SPECIMEN LABEL

### ACTIVE INGREDIENT:

Tau-fluvalinate (CAS #102851-06-9) . . . 22.3%

**OTHER INGREDIENTS:** . . . . . 77.7%

Total . . . . . 100.0%

**MAVRİK® PERIMETER** is a flowable formulation containing 2 pounds tau-fluvalinate per gallon (240 g/L).

EPA Reg. No. 2724-478 EPA Est. No. 2724-TX-1

KEEP OUT OF REACH OF CHILDREN

### CAUTION

READ COMPLETE DIRECTIONS AND PRECAUTIONS INSIDE

### SHAKE WELL BEFORE USING

Not use on plants or trees being grown for sale or other commercial use, for commercial seed production, for the production of timber or wood products, or for research purposes. For use only on plants intended for aesthetic purposes or climatic modification and being grown in ornamental gardens or parks and grounds.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

### CAUTION

Harmful if swallowed, absorbed through the skin, or inhaled. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Avoid breathing spray mist or vapor. Wear long-sleeved shirt, long pants, shoes, socks, and chemical-resistant gloves (such as or made out of any waterproof material, selection category A).

### 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 a 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.

**If inhaled** • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.

**If in eyes** • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. • Call a poison control center for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-248-7763 for emergency medical treatment information.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are made of any waterproof material. If you want more options, follow the instructions for category A on an EPA chemical resistance category selection chart.

All mixers, loaders, applicators and other handlers must wear: • Long-sleeved shirt and long pants • Shoes and socks • Chemical-resistant gloves, and • A NIOSH approved respirator with dust/mist filter with MSHA/NIOSH approval number prefix TC-21C or R, P, or HE filter.

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 or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

#### USER SAFETY RECOMMENDATIONS

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

#### ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic organisms. This product is toxic to honey bees if bees are exposed to direct application. However, dried residues of this product are non-toxic to honey bees. Treat during non-foraging periods to minimize adverse effects. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Use with care when applying in areas adjacent to any body of water. Drift and runoff from treated areas may be hazardous to fish and aquatic organisms in adjacent aquatic sites. Do not apply when weather conditions favor drift from the target area. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

#### PHYSICAL/CHEMICAL HAZARDS

Do not use or store near heat or open flame.

#### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. **Pesticide Storage:** Store in a cool, dry place. Pesticides must be stored in a secured area away from other products, food, or feed. Keep pesticide storage areas clean. Always store pesticides in the original container. If a leaky container must be contained within another, mark the outer container to identify the contents. In case of a spill or leak, soak up with soil or other absorbent material. Do not use caustic agents. **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 disposal program (often such programs are run by state or local governments or by industry). **Container Handling:** Non-refillable container. Do not reuse or refill this container. Triple rinse as follows. Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate 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.

#### STORAGE AND DISPOSAL (CONTINUED)

Then offer for recycling, if available or puncture or dispose of in a sanitary landfill, or if allowed by state and local authorities by burning. If burned, stay out of smoke.

#### DIRECTIONS FOR USE

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

#### GENERAL PRECAUTIONS/RESTRICTIONS

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

Keep unprotected people, children and pets out of treated area until spray has dried. Some sensitive pets eating or coming in contact with freshly treated plants may demonstrate vomiting and respiratory distress.

Do not apply this product by aerial application or through any type of irrigation system.

#### GENERAL DIRECTIONS

MAVRIK® PERIMETER controls insects and controls or suppresses mite pests when used at labeled rates. MAVRIK® PERIMETER works primarily through contact action, good spray coverage is necessary. Treat when pests are immature or at a susceptible stage and populations are manageable, before damage occurs. Repeat applications as needed, according to the specific use directions given in this label. Residues of MAVRIK® PERIMETER can continue to control certain insect pests for a week or longer. Growth dilution, climatic variables, and pest habits determine retreatment needs.

Dilute MAVRIK® PERIMETER in sufficient water to give thorough spray coverage [based on previous experience]. For best results under varying conditions, a range of use rates is recommended for most uses. Select the higher rates when pest pressure or damage potential is severe. The lower rates often give acceptable economic results. Buffer spray water to pH 5-7, if necessary.

For severe mite infestations, use the highest rate of MAVRIK® PERIMETER and use an acaricide in an alternate treatment program. The use of a spreader-sticker, insecticidal soaps, or piperonyl butoxide may improve control of mites and some insects, such as, whiteflies, aphids, thrips, and mealybugs. When MAVRIK® PERIMETER is mixed with wettable powders, add powders to the tank first using good agitation. Check for physical and biological compatibility prior to use.

Dried residues of MAVRIK® PERIMETER are non-toxic and non-repellent to honey bees. Treat during non-foraging periods to minimize adverse effects.

Consult your local extension office, pest management consultant, or a Wellmark International specialist for guidance in selecting a rate and timing schedule or mixing combination that has demonstrated good performance under specific conditions.

**AMOUNT MAVRIK® PERIMETER  
IN WATER TO MAKE**

SITE	PEST	5 GALLONS	1 GALLON	SPECIFIC DIRECTIONS
<p><b>For Outdoor Applications:</b> Use lower rates and greater re-treatment intervals for light to moderate insect pressures. Use higher rates and shorter re-treatment intervals for green peach aphids, unexposed insects and heavy pressures of other insects. Mite suppression can be obtained using the lower rate; for more residual control of mites, use up to 0.5 fl oz/5 gallons water [0.1 fl oz/1 gallon of water].</p>				
Perimeter Treatments to include Outside Surfaces	Aphids, Thrips, Mites, Clover Mites, Two-Spotted Spider Mites, Whiteflies, Mealybugs, Leaf-Feeding Caterpillars (i.e., Tent, Orlando, Gypsy Moth, Bagworm, Canker Worm, etc.), Ticks, Brown Dog Ticks, American Dog Ticks, Deer Ticks, Fleas, Ants, Fire Ants, Crickets, rmyworms, Cutworms, Springtails (Collembola), Adelgids, Mosquitoes, Chiggers*, Earwigs, Lygus Plant Bugs, Beetles (Flea, Cucumber, Elm Leaf), Leafhoppers, Weevils* (Strawberry Root, Obscure Root, Blackvine Root), Psyllids, Millipedes*, American Cockroaches, Smoky Brown Cockroaches, Oriental Cockroaches, Boxelder Bugs, Spiders, Silverfish, Firebrats, Chinch Bugs, Asian Lady Beetles*, Sowbugs, Glassy-Wing Sharpshooters, Stink Bugs, Bark Scorpions  * Except in California	0.2–0.5 fl oz (1 <sup>1</sup> / <sub>3</sub> –3 teaspoons) (6–15 ml)	.04–0.1 fl oz ( <sup>1</sup> / <sub>3</sub> – <sup>2</sup> / <sub>3</sub> teaspoon) (1.2–3 ml)	<p>Apply MAVRIK® PERIMETER to perimeters and outside surfaces of residential, non-commercial, and commercial buildings such as industrial offices, institutional buildings, private homes, duplexes, townhouses, condominiums, house trailers, apartment complexes, carports, garages, storage sheds, patios.</p> <p>Apply MAVRIK® PERIMETER using a low pressure, coarse fan spray, applied in even bands to surfaces and perimeters where pests are a problem. Apply the spray mixture at a volume equivalent to 5 gallons per 1,000 square feet. Depending on the severity of pest infestations, a re-treatment may be necessary at 7–14 days. Apply no more than 4 times per month or no more than 20 times per year. Typical re-treatment interval is 28 days.</p> <p>When using cold foggers or other ULV delivery systems for perimeter applications, apply the labeled amount of MAVRIK® PERIMETER over the square footage with the equipment manufacturer’s requirement of water. Follow manufacturer’s calibration procedures.</p> <p>Perimeter applications are made to a band of soil and/or vegetation 6 to 10 feet wide around and adjacent to the structure. Higher volumes of water may be needed if mulch or leaf litter is present or foliage is dense. These sites may include refuse dumps, vegetation areas, soil, trunks of woody ornamentals, and fence lines adjacent to or around the structure, and other areas near a structure where pests congregate or have been seen.</p> <p>Surface applications can be made to all outside surfaces of structures listed above and includes porches, window and door frames, eaves, and foundations. Apply as a crack and crevice treatment using a pinstream nozzle to pest harborage sites. Refrain from applying to the point of runoff.</p>

**AMOUNT MAVRIK® PERIMETER  
IN WATER TO MAKE**

SITE	PEST	5 GALLONS	1 GALLON	SPECIFIC DIRECTIONS
Woody and Herbaceous Ornamentals—Outdoors	Aphids, Thrips, Mites, Clover Mites, Whiteflies, Leaf-Feeding Caterpillars (i.e., Tent, Orlando, Gypsy Moth, Bagworm, Canker Worm, etc.), Lygus Plant Bugs, Beetles (Flea, Cucumber, Elm Leaf), Leafhoppers, Earwigs, Ants, Crickets, Armyworms, Cutworms, Sowbugs, Chiggers*, Millipedes*, Springtails (Collembola), Adelgids, Mosquitoes, Glassy-Wing Sharpshooters, Stink Bugs, Bark Scorpions, Strawberry Root Weevils*, Obscure Root Weevils*, Blackvine Root Weevils*  * Except in California	0.2–0.5 fl oz (1 1/3–3 teaspoons)	.04–0.1 fl oz (1.2–3 ml) (1/3–2/3 teaspoon)	Make applications to large, mature ornamental specimen plants or plants in containers larger than 5 gallons in size. Mix 0.2–0.5 fl oz or 1 1/3–3 teaspoons of MAVRIK® PERIMETER in 5 gallons of water. Apply 5 gallons of spray solution per equivalent of 1,000 square feet of growing area using a low pressure, coarse fan spray application. Spray interval is typically 14–28 days but not more than 4 applications per month. Do not exceed 24 applications per year. Use sufficient water to thoroughly cover the surfaces to be treated. Use lower rates for light to moderate insect pressure. Spray on ground around base of tree or shrub and/or up main trunk or stem and foliage.
Eugenia and Pepper Tree	Psyllids	0.25–0.5 fl oz (1 1/2–3 teaspoons)	0.5–0.1 fl oz (1/3–2/3 teaspoon)	Apply 0.25-0.5 fl oz (1 1/2–3 teaspoons of MAVRIK® PERIMETER per 5 gallons of water to protect new foliage, depending on pest pressure. Use the higher rate of MAVRIK® PERIMETER for heavier infestations of psyllids. Apply 2 applications at 14 day intervals under heavy reinfestation pressure or if new foliage is present. If pruning is needed, prune the entire hedge, then delay application until adults and new shoots are present.
Ant Mound Treatment	Fire Ants and other mounding ant pests	0.5 fl oz (15 ml) (3 teaspoons)	0.1 fl oz (3 ml) (2/3 teaspoon)	<b>Individual ant mound treatment:</b> Apply as drench using 1 gallon of spray solution per mound to control mounding ant colonies, including the fire ant. Thoroughly mix 2/3 teaspoon (0.1 fl oz/3 ml) of MAVRIK® PERIMETER with 1 gallon of water. Drench the mound using 1 gallon of dilution per mound. Apply the dilution starting on the perimeter of the mound and ending at the center of the mound until the entire mound is wet but not to the point of runoff.

To the extent consistent with applicable law, Seller makes no warranty, express or implied, concerning the use of this product other than indicated on the label. To the extent consistent with applicable law, Buyer assumes all risk of use and handling of this material when such use and handling are contrary to label instructions.

For more information or in case of emergency, call **1-800-248-7763. [www.zoecon.com](http://www.zoecon.com)**

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October, 2012  
Schaumburg, IL