



Mavrik®

Perimeter

FOR APPLICATION TO OUTDOOR AREAS: PERIMETER TREATMENT AROUND BUILDINGS AND OUTSIDE SURFACES, RESIDENTIAL AND NON-RESIDENTIAL AREAS WHERE LAWNS, TURF AND ORNAMENTALS ARE GROWN, PLANTS SHRUBS, VINES (WOODY), AROUND INSTITUTIONAL, COMMERCIAL, AND INDUSTRIAL BUILDINGS, AND VEGETATION AREAS

PERIMETER TREATMENT AGAINST A WIDE RANGE OF INSECTS INCLUDING MOSQUITOES, FIRE ANTS, AND STINK BUGS

IDEAL FOR APPLICATIONS WITHOUT THE WORRY OF WATERING-IN

CONTAINS TAU-FLUVALINATE

SMALL, EASY TO USE 8 OZ BOTTLE

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).

Not for use on plants, trees or sod being grown for sale or other commercial use, for commercial seed production, for the manufacture or processing 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 outdoor areas.

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

KEEP OUT OF REACH OF CHILDREN
CAUTION
See Additional Precautionary Statements And First Aid

SHAKE WELL BEFORE USING

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 made of barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, natural rubber ≥14 mils, polyethylene, PVC ≥14 mils, viton ≥14 mils.

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.

SPECIMEN LABEL

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)

All mixers, loaders, applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes and socks
- Chemical-resistant gloves made of barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, natural rubber ≥14 mils, polyethylene, PVC ≥14 mils, viton ≥14 mils

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. To protect the environment, do not allow pesticide to enter or runoff into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid runoff to water bodies or drainage systems. 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.

This product is highly 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.

PHYSICAL/CHEMICAL HAZARDS

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

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

USE 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.

All outdoor spray applications, if permitted elsewhere on this label, must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses, if allowed elsewhere on

this label:

1. Applications to pervious surfaces such as soil, lawn, turf and other vegetation;
2. Perimeter band treatments of 7 feet wide or less from the base of a manmade structure to pervious surfaces (e.g., soil, mulch, or lawn);
3. Applications to underside of eaves, soffits, doors, or windows permanently protected from rainfall by a covering, overhang, awning, or other structure;
4. Applications around potential exterior pest entry points into manmade structures such as doorways and windows, when limited to a band not to exceed one inch in width;
5. Applications to vertical surfaces (such as the side of a manmade structure) directly above impervious surfaces (e.g., driveways, sidewalks, etc.), up to 2 feet above ground level;
6. Applications to vertical surfaces directly above pervious surfaces, such as soil, lawn, turf, mulch or other vegetation) only if the pervious surface does not drain into ditches, storm drains, gutters, or surface waters.

Spot treatments must not exceed two square feet in size (for example, 2' x 1' or 4' x 0.5').

For soil or foliar applications, do not apply by ground within 25 feet (100 feet for marine/ estuarine environments of freshwater lakes, reservoirs, rivers, streams, marshes or natural ponds, estuaries and commercial fish farm ponds.

Do not spray the product into fish pools, ponds, streams or lakes. Do not apply directly to sewers or storm drains, or to any area like a drain or gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur.

Do not allow the product to enter any drain during or after application.

Do not apply directly to impervious horizontal surfaces such as sidewalks, driveways, and patios, except as a spot or crack-and-crevice treatment.

Do not apply to the point of runoff.

Do not make applications during rain. Avoid making applications when rainfall is expected before the product has sufficient time to dry (minimum 4 hours).

Rainfall within 24 hours after application may cause unintended runoff of pesticide application.

Do not apply when the wind speed is greater than 15 mph.

Treat surfaces to ensure thorough coverage but avoid runoff.

To treat insects harbored in voids and cracks and- crevices, applications must be made in such a manner to limit dripping and avoid runoff onto untreated structural surfaces and plants.

SPRAY DRIFT ADVISORIES

Take precautions to minimize spray drift.

APPLICATION 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 nontoxic 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.

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. 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.

AMOUNT MAVRIK® PERIMETER IN WATER TO MAKE

SITE	PEST	5 GALLONS	1 GALLON	SPECIFIC DIRECTIONS
<p>For Outdoor Applications: 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. Directly spray at the rate of 0.1 fl oz/gallon to kill lone star ticks and deer ticks and bark scorpions. 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]. Do not apply more than once every 7 days and do not apply more than 0.34 lb ai/A.</p>				
<p>Outdoor Area Treatments including Perimeter Use</p>	<p>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, Lone Star Ticks, Deer Ticks, Fleas, Ants, Fire Ants, Crickets, Armyworms, 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</p> <p>* Except in California</p>	<p>0.2-0.5 fl oz (1¹/₃-3 teaspoons) (6-15 ml)</p>	<p>.04-0.1 fl oz (¹/₃-²/₃ teaspoon) (1.2-3 ml)</p>	<p>Apply MAVRIK® PERIMETER to outdoor areas including perimeters and outside surfaces of residential, non-commercial, and commercial buildings: industrial offices, institutional buildings, private homes, carports, garages, storage sheds, patios (spot treatment only).</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 12 times per year. Typical re-treatment interval is 28 days.</p> <p>For ticks, treat likely harborage areas including along paths, tall grass and other vegetation. For best results, treat the entire area where ticks could be present and begin treating in the spring. Ticks may be re-introduced from surrounding areas by host animals. Continue treating until frost to control adult ticks.</p> <p>For best coverage to control ticks, apply using a coarse fan spray to vegetation brush, branches, walls, and other areas near habitation where ticks may harbor or frequent. Treat entire area rather than making spot treatments and retreat as necessary to maintain control.</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 7 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 are 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: 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 ¹ / ₃ -2 ² / ₃ teaspoon)	Make applications to large, mature ornamental specimen plants or plants in containers larger than 5gallons 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 12 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)	0.05-0.1 fl oz (1 ¹ / ₃ -2 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 labeled 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 ² / ₃ teaspoon)	<u>Individual ant mound treatment:</u> Apply as drench using 1 gallon of spray solution per mound to control mounding ant colonies, including the fire ant. Thoroughly mix 2 ² / ₃ teaspoons (0.1 fl oz/3 ml) of MAVRIK® PERIMETER with 1 gallon 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 information, or in case of emergency, call **1-800-248-7763**.

www.zoecon.com

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