For use to control Ants (including Imported Fire Ants), Mole Crickets and other Insect pests on lawns in landscaped areas and perimeters around residential, institutional, public, commercial and industrial buildings, parks, recreational areas, golf courses, sod farms and athletic fields.

EPA Reg. No. 279-3167
Active Ingredient: Bifenthrin* Other Ingredients
By Wt. ............................................ 0.2% ............................................... 99.8%
100.0%
*Cis isomers 97% minimum, trans isomers 3% maximum.
U.S. Patent No. 4,238,505

KEEP OUT OF REACH OF CHILDREN
CAUTION

See other panels for additional precautionary information.

DO NOT USE THIS PRODUCT ON GOLF COURSES AND SOD FARMS IN NASSAU COUNTY OR SUFFOLK COUNTY, NEW YORK.

FMC Corporation
Agricultural Products Group
1735 Market Street
Philadelphia PA 19103

FIRST AID
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.

HOTLINE NUMBER
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)-331-3148 for Emergency Assistance.

NOTE TO PHYSICIAN
This product is a pyrethroid. If large amounts have been ingested, milk, cream and other digestible fats and oils may increase absorption and so should be avoided.

For Information Regarding the Use of this Product Call 1-800-321-1FMC (1362).

PRECAUTIONARY STATEMENTS
Hazards to Humans (and Domestic Animals)

Caution
Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing.

The following Personal Protective Equipment requirements apply to sod farm use only

Personal Protective Equipment:
Applicators and other handlers must wear:
• Long sleeved shirt and long pants
• Waterproof gloves
• Shoes and socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations:
Users Should:
• Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
• Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
• 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 pesticide is extremely toxic to fish and aquatic invertebrates. 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 apply when weather conditions favor drift from treated areas. Drift and run-off from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters or rinsate.

DIRECTIONS FOR USE
It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. 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. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. Do not apply by air. Do not apply more than 0.2 lb. active ingredient (ai) per acre per application on residential use sites (i.e., around private homes, apartment buildings, condominiums, non-agricultural outbuildings, non-commercial greenhouses, pre-schools or day care facilities). May be applied at up to 0.4 lb, ai, per acre per application on non-residential use sites (i.e., around institutional, public, commercial or industrial buildings; golf courses; sod farms; parks; recreational areas or aquatic fields). Do not broadcast apply more than 0.4 lbs. A.I. (200 lbs. Talstar GC Granular) per acre per year. Do not apply within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries, and commercial fish farm ponds. Not for use on nurseries, commercial greenhouses or grass grown for seed.

Agricultural Use Requirements
Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry to treated areas during the restricted entry interval (REI) of 12 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is:
- Coveralls.
- Waterproof gloves
- Shoes plus socks.

Non-Agricultural Use Requirements
The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standards for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries and greenhouses. If watering-in of the granules is necessary, do not allow people or pets on treated areas until the granule or soil is dry. Do not touch treated surface until dry.

STORAGE AND DISPOSAL
Prohibitions
Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage
Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use close tightly.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call FMC: (800) 331-3148.

To confine spill: Cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

Pesticide Disposal
Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal
Paper and plastic bags: Non-refillable. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling, if possible, or dispose of empty bag in a sanitary landfill or by incineration, or, by burning. Do not burn unless allowed by State and local authorities. If burned, stay out of smoke.

GRASS AND PERIMETER APPLICATIONS
(Including Golf Courses and Sod Farms)

Lawn Application: Broadcast Talstar® GC Granular Insecticide with suitable application equipment to ensure uniform coverage over the treatment area.

APPLICATION RATES
The application rates listed in the following table will provide excellent control of the respective pests under typical conditions. However, at the discretion of the applicator, Talstar GC may be applied at up to 0.4 lb AI/A to control each of the pests listed in this Chart. However, for residential lawn use, do not apply more than 0.2 lbs. A.I. per acre per application.

<table>
<thead>
<tr>
<th>Pest</th>
<th>Active ingredient lbs. per acre</th>
<th>Application Rate Talstar GC</th>
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</thead>
<tbody>
<tr>
<td>Armyworms&lt;sup&gt;1&lt;/sup&gt; Cutterworms&lt;sup&gt;1&lt;/sup&gt; Sod Webworms&lt;sup&gt;1&lt;/sup&gt;</td>
<td>0.1 lbs. AI/A</td>
<td>50 lbs. per acre</td>
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<tr>
<td>Annual Bluegrass Weevil (Grass Weevil) (Adult)&lt;sup&gt;2&lt;/sup&gt;</td>
<td>0.1 - 0.2 lbs. AI/A</td>
<td>50 - 100 lbs. per acre</td>
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<tr>
<td>Billbugs (Adult)&lt;sup&gt;3&lt;/sup&gt;</td>
<td>1.0 lbs. AI/A</td>
<td>50 lbs. per acre</td>
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<tr>
<td>Black Turfgrass Attenius (Adult)&lt;sup&gt;4&lt;/sup&gt;</td>
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<tr>
<td>Leafhoppers</td>
<td>Meatybugs</td>
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<tr>
<td>Ants</td>
<td></td>
<td>100 - 200 lbs. per acre</td>
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<tr>
<td>Crickets</td>
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<tr>
<td>Chinch Bugs&lt;sup&gt;5&lt;/sup&gt; Swiss Chervil Flies (larvae)&lt;sup&gt;5&lt;/sup&gt; Fleas (Adults)&lt;sup&gt;6&lt;/sup&gt; Flea (Larvae)&lt;sup&gt;6&lt;/sup&gt; Imported Fire Ants (Adults)&lt;sup&gt;7&lt;/sup&gt; Imported Fire Ants (Mounds)&lt;sup&gt;7&lt;/sup&gt; Millipedes</td>
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<td>Mole Cricket (Adult)&lt;sup&gt;8&lt;/sup&gt; Mole Cricket (Nymphs)&lt;sup&gt;9&lt;/sup&gt; Pillbugs</td>
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<tr>
<td>Scorpions&lt;sup&gt;10&lt;/sup&gt; Soldier Ants</td>
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<tr>
<td>Ticks&lt;sup&gt;11&lt;/sup&gt;</td>
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In New York State, this product may NOT be applied to any grass or turf area within 100 feet of a water body (lake, pond, river, stream, wetland, or drainage ditch).

In New York State, do make a single repeat application of Talstar GC Granular if there are signs of renewed insect activity, but not sooner than two weeks after the first application.

Comments
<sup>1</sup>Armyworms, Cutworms, and Sod Webworms: To ensure optimum control, irrigate the treated area with up to 0.1 inches of water immediately after application to activate (release from the granule) the insecticide.
<sup>2</sup>Annual Bluegrass Weevil (Hyperdeesa) adults: Applications should be timed to control adult weevils as they leave their overwintering sites and move into grass areas. This movement generally begins when Forcynthia is in full bloom and coincides when flowering dogwood is in full bloom. Consult your State Cooperative Extension Service for more specific information regarding application timing.
<sup>3</sup>Billbugs: Applications should be made when adult billbugs are first observed during August and May. Degree day models have been developed to optimize application timing. Consult your State Cooperative Extension Service for information specific to your region. In temperate regions, spring applications targeting billbug adults will also provide control of over-wintered chinch bugs.
<sup>4</sup>Black Turfgrass Attenius: Applications should be made during May and July to control the first and second generation of black turfgrass attenius adults, respectively. The May application should be timed to coincide with the full bloom stage of Varinoutte spirea (Spirodes varinoutte) and horse chestnut (Aesculus hippocastanum). The July application should be timed to coincide with the blooming of Rosa glauca and Solidago virgaurea.
<sup>5</sup>Chinch Bugs: Chinch bugs infest the base of grass plants and are often found in the thatch layer. Irrigate the treated area with up to 0.25 inches of water immediately after application to activate (release from the granule) the insecticide. Chinch bugs can be one of the most difficult pests to control in grasses and the higher applications rates may be required to control populations that contain both nymphs and adults during the summer.
<sup>6</sup>European Crane Flies: Treatments should be made to control early to mid-season larvae (approximately August – February) as they feed on plant crowns. Treatments made to late-season larvae (approximately March - April) may only provide suppression. Consult your local extensions agent for specific recommendations for your area.
<sup>7</sup>Flea larvae: Flea larvae develop in the soil of shaded areas that are accessible to water from other areas. Irrigate the treated area with up to 0.5 inches of water immediately after application to activate (release from the granule) the insecticide.
<sup>8</sup>Imported Fire ants: Control will be optimized by combining broadcast applications that will control foraging workers and newly mated fly-in queens with mound drenches that will control existing colonies. If the soil is not moist, then it is important to irrigate before application. broadcast treatments should apply 0.2 to 0.4 lb AI/A. Mounds should be treated by applying 1/2 cup of Talstar GC Granular per mound and then drenching the mound with 1 to 2 gallons of water. The mounds
should be treated with sufficient force to break their apex and allow the insecticide solution to flow into the ant tunnels. Treat three feet out around the mound. For best results, apply in cool weather (85-80°F) or in early morning or late evening hours.

**Mole Cricket adults:** Achieving acceptable control of adult mole crickets is difficult because preferred grass areas are subject to continuous invasion during the early spring by this extremely mobile pest. Applications should be made as late in the day as possible and should be watered in with up to 0.5 inches of water immediately after treatment. If the soil is not moist, then it is important to irrigate before application to bring the mole crickets closer to the soil surface where contact with the insecticide will be maximized. Grass areas that receive pressure from mole crickets should be treated at peak egg hatch to ensure optimum control of subsequent nymph populations (see below).

**Mole Cricket nymphs:** Grass areas that received intense adult mole cricket pressure in the spring should be treated immediately prior to peak egg hatch. Optimum control is achieved at this time because young nymphs are more susceptible to insecticides and they are located near the soil surface where the insecticide can be most concentrated. Control of larger, more damaging, nymphs is later in the year may require both higher application rates and more frequent applications to maintain acceptable control. Applications should be made as late in the day as possible and should be watered in with up to 0.5 inches of water immediately after treatment. If the soil is not moist, then it is important to irrigate before application to bring the mole crickets closer to the soil surface where contact with the insecticide will be maximized.

**Scorpions:** To ensure optimum control, treat the building perimeter at dusk to prevent outdoor scorpions from entering the building. Scorpions reside hidden in cracks and voids during the day and are active at night at temperatures above 77°F/25°C. Nesting areas can be identified at night using a blacklight (ULV bulb) as scorpions will fluoresce. These areas should also be treated. Prior to treatment, to increase treatment efficacy, remove trash, debris, or firewood that scorpions may use as roosting sites.

**Ticks (Including ticks that may transmit Lyme Disease and Rocky Mountain Spotted Fever):** Do not make spot applications. Treat the entire area where exposure to ticks may occur. Use higher application rates when treating areas with dense ground cover or heavy leaf litter. Ticks may be reintroduced from surrounding untreated areas on host animals. Repeat as necessary to maintain adequate control. Do not allow public use of treated areas during application.

**American dog ticks (Droops sp.):** have a complicated life cycle that ranges over a two year period and involves four life stages. Applications should be made in mid- to late-spring and again in late summer and again in the fall to control larval and nymph stages. Applications should be made as necessary from mid-spring to early fall to control American dog tick larval, nymphal and adult stages.

**Perimeter Application:** Apply to ground area 5 to 10 feet wide around and adjacent to the structure.

**Boundary Applications:** Apply to soil areas, ornamental gardens, pavements, crevices, fencelines, planter areas, vegetation areas and mulch areas.

**Application Rate:**

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<tr>
<td>1.5 lbs</td>
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<td>5</td>
<td>3</td>
<td>2</td>
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<tr>
<td>2.5 lbs</td>
<td>8</td>
<td>8</td>
<td>3</td>
<td>4</td>
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<td>6</td>
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<tr>
<td>4 lbs</td>
<td>9</td>
<td>9</td>
<td>3</td>
<td>6</td>
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**Pattern Setting:**

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<tr>
<th>Pattern Setting</th>
<th>Width Feet</th>
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**Ground Speed:**

- **3.1 mph is the lowest setting for this model**
- **This model does not have settings fine enough for this application**

**Resistance:** Some insects are known to develop resistance to products used repeatedly for control. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. Consult your local or state pest management authorities for details.

If resistance to this product develops in your area, this product, or other products with a similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extended weather conditions that reduce the effectiveness of the insect then a different product may be present. If you experience difficulty with control and suspect that resistance is a reasonable cause, immediately consult your local company representative or pest management advisor for the best alternative method of control for your area.

**Conditions of Sale and Limitation of Warranty and Liability:**

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions beyond the control of FMC or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold FMC and Seller harmless for any claims relating to such factors.

**Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the Directions for Use when used in accordance with the directions under normal conditions of use. TO THE EXTENT CON- SISTENT WITH APPLICABLE LAW, FMC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WAR- RANTIES WITH RESPECT TO THE SELECTION, PURCHASE, OR USE OF THIS PRODUCT. Any warranties, express or implied, hav- ing been made are inapplicable if this product has been used con- trary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) seller or FMC, and buyer assumes the risk of any such use.

To the extent consistent with applicable law, FMC or seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSIS- TENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF FMC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAM- ages (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PROD- UCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF FMC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

This Conditions of Sale and Limitation of Warranty and Liability may not be amended by any oral or written agreement.

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