For use to control pests, as listed, outdoors, including areas surrounding residential, institutional, public, commercial and industrial buildings.
For use on lawns and landscaped areas around residential, institutional, public, commercial and industrial buildings, parks, recreational areas and athletic fields.
Kills fire ant queens within 24 hours.
Kills fire ant mounds within 15 minutes.

Active Ingredients:
Zeta-Cypermethrin* .......................................... 0.05%
Bifenthrin** ........................................................ 0.20%
Other Ingredients:.............................................. 99.75%

100.0%

* Cis/trans isomer ratio: Max 75% (±) cis and Min. 25% (±) trans
** Cis isomers 97% minimum; trans isomers 3% maximum.

KEEP OUT OF REACH OF CHILDREN
CAUTION

See other panels for additional precautionary information.

FMC Corporation
2929 Walnut Street
Philadelphia PA 19104

Net Contents: 25 Pounds
STORAGE AND DISPOSAL
Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage
Keep out of reach of children and animals. Store in a cool, dry place, preferably in a locked storage area 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 CHEMTREC (transportation and spills): (800) 424-9300.

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 Handling
Non-refillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling, if available, or dispose of empty bag in a sanitary landfill or site or at an approved waste disposal facility.

Pesticide Disposal Recommendations. Talstar® XTRA Granular Insecticide Featuring Verge Granule Technology contains Group 3 Insecticides. Insects with acquired resistance to Group 3 Insecticides may eventually dominate the insect population if Group 3 Insecticides are used repeatedly in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by Talstar® XTRA Granular Insecticide Featuring Verge Granule Technology or other Group 3 Insecticides.

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® XTRA Granular Insecticide Featuring Verge Granule Technology if there are signs of renewed insect activity, but not sooner than two weeks after the first application.

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

Apply this product directly to the lawn or garden area. Water treated area as directed on this label. Do not water to the point of run-off.

Do not make applications during rain.

Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm waters, bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.

Not for use on plants being grown for sale of other commercial use, or for commercial seed production, or for research purposes.

Not for use on golf courses, sod farms, nurseries, in commercial greenhouses, pre-schools or day-care facilities.

For use on plants intended for aesthetic purposes or climate modification and being grown in interior plantscapes, ornamental gardens or parks, or lawns or grounds.

Also for use as a perimeter or spot treatment to control pests outdoors, including areas surrounding residential, institutional, public, commercial and industrial buildings.

Do not apply more than 0.25 lb. active ingredient (ai.) per acre (2.3 lbs granules per 1000 sq. ft.) per application on residential use sites (i.e., around private homes, apartment buildings, condominiums, non-agri-cultural outbuildings, non-commercial greenhouses, pre-schools or day-care facilities).

May be applied at up to 0.50 lb. ai. per acre (4.6 lbs granules per 1000 sq. ft.) per application on non-residential use sites (i.e., around institutional, public, commercial or industrial buildings; parks; recreational areas or athletic fields).

Do not broadcast apply more than 0.5 lb. ai. per acre (4.6 lbs per 1000 sq. ft.) per year.

Lawn Application: Broadcast with suitable application equipment to ensure uniform coverage over the treatment area.

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

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

APPLICATION RATES
The application rates listed in the following table will provide control of the respective pests under typical conditions.

<table>
<thead>
<tr>
<th>Pest</th>
<th>Usage per Application</th>
</tr>
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<tbody>
<tr>
<td>Annual Bluegrass Weevil (Hyperodidae) (adults)</td>
<td>1.15 to 2.3 Lbs/1000 sq ft</td>
</tr>
<tr>
<td>Armyworms, Billbugs (adults)</td>
<td>50 to 100 Lbs per Acre</td>
</tr>
<tr>
<td>Black Turfgrass Ataenius (adults)</td>
<td>0.125 to 0.25 Lbs A/Acre</td>
</tr>
<tr>
<td>Cutworms</td>
<td>2.3 to 4.6 Lbs/1000 sq ft</td>
</tr>
<tr>
<td>Meadbugs, Millipedes, Mole Crickets (nymphs &amp; adults)</td>
<td>100 to 200 Lbs per Acre</td>
</tr>
<tr>
<td>Soldier Bugs, Scorpions, Spiders, Ticks</td>
<td>0.25 to 0.50 Lbs A/Acre</td>
</tr>
</tbody>
</table>

Resistance Management Recommendations. Talstar® XTRA Granular Insecticide Featuring Verge Granule Technology contains Group 3 Insecticides. Insects with acquired resistance to Group 3 Insecticides may eventually dominate the insect population if Group 3 Insecticides are used repeatedly in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by Talstar® XTRA Granular Insecticide Featuring Verge Granule Technology or other Group 3 Insecticides.

For optimum control of particular pests, follow procedures outlined below:

**Armyworms, Cutworms, and Sod Webworms:** To ensure optimum control, irrigate the treated area with water immediately after application to activate (release from the granule) the insecticide.

**Annual Bluegrass Weevil (Hyperodidae) 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 Forsythia is in full bloom and concludes when flowering dogwood is in full bloom. Consult your State Cooperative Extension Service for more specific information regarding application timing.

**Billbug adults:** Applications should be made when adult billbugs are first observed during April 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.

**Black Turfgrass Ataenius adults:** Applications should be made during May and July to control the first and second generation of black turfgrass Ataenius adults, respectively. The May application should be timed to coincide with the full bloom stage of Vanhoutte spirea (Spiraea vanhouttei) and horse chestnut (Aesculus hippocastanum). The July application should be timed to coincide with the blooming of Rose of Sharon (Hibiscus syriacus).

**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.

**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.

**Earwigs:** When earwigs are found in mulch, mix granules into the mulch layer. Place a 3-6 foot band of Talstar® XTRA Granular Insecticide featuring Verge Granule Technology or other Group 3 Insecticides.
**Mountain Spotted Fever:**

Ticks (Including ticks that may transmit Lyme Disease and Rocky Mountain Spotted Fever): To reduce or prevent tick infestations, thoroughly clean lawns and grounds to remove or destroy objects that may harbor ticks. Properties should be sprayed with insecticides, including permethrin, as soon as exposure to ticks is likely. The insecticide should be applied between the soil and leaf litter to the soil surface where the insecticide is most concentrated.

**Imported Fire ants:**

Control is achieved by selecting an insecticide that will control the queen and the foraging workers. Use a Talstar® XTRA Granular Insecticide Featuring Verge Granule Technology treatment to control mound ants. For best results, apply in early spring before the ants are active. For best results, apply in early spring before the ants are active. For best results, apply in early spring before the ants are active. For best results, apply in early spring before the ants are active.

**Fleas (adults and larvae):** Control is provided for up to seven days. Flea larvae develop in the soil of shaded areas that are accessible to pets or other animals. Irrigate the treated area with up to 0.5 inches of water immediately after application to release (from the granule) the insecticide.

**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 and extremely late in the year. 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 the insecticide will be maximized. Grass areas that receive pressure from adult 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 the previous spring should be treated immediately prior to peak egg hatch. Optimal 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 is most concentrated. Control of larger, more damaging, nymphs 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. Grass areas that receive pressure from adult mole crickets should be treated at peak egg hatch to ensure optimum control of subsequent nymph populations (see below).

**Scorpions:** To ensure optimum control, treat the building perimeter at dusk to prevent outdoor scorpions from entering the building. Scorpions reside in cracks and voids during the day and are active at night, sometimes daylight hours. Be aware that scorpions can be found in crawl spaces under houses, around exterior water spigots, air-conditioning units and along house foundations. Also, for best results, reduce lighting around doors, windows and other potential entry sites or use exterior solar vapor yellow lights which attract fewer insects. Scorpions are active in daytime, so exterior treatments will also be effective.

**Spiders:** Do not use insecticides to control spiders and their webs. Instead, remove web materials and webs in out-of-the-way places. For best results, complete all other suggestions for tick control. It is recommended that you calibrate your own spreader periodically.

**RESISTANCE MANAGEMENT:** 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.

**Spreaders:** Broadcast application should be performed with a calibrated commercial broadcast spreader to evenly distribute the granules. Approximate settings for several models are provided in the table below.

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<tbody>
<tr>
<td>Spreader Setting</td>
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<td>120</td>
<td>120</td>
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<tr>
<td>Application Rate</td>
<td>1.15 lbs</td>
<td>2.3 lbs</td>
<td>4 lbs</td>
<td>5 lbs</td>
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<td>Application Rate (oz) per 1,000 sq ft</td>
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</tr>
<tr>
<td>Application Rate (sq ft) per 1,000 sq ft</td>
<td>7.5</td>
<td>7.5</td>
<td>7.5</td>
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<td>7.5</td>
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<tr>
<td>Application Rate (lbs) per 1,000 sq ft</td>
<td>5.7</td>
<td>5.7</td>
<td>5.7</td>
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</tr>
<tr>
<td>Application Rate (gallons) per 1,000 sq ft</td>
<td>1.75</td>
<td>1.75</td>
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</table>

**American dog ticks** may be a considerable nuisance in suburban settings, particularly where homes are built on land that was previously field or pasture. These ticks commonly overwinter in old fields and along highways where humans are likely to be encountered. Applications should be made as necessary from mid-spring to early fall to control American dog tick larvae, nymphs and adults.

**SPOT TREATMENT APPLICATIONS**

**Mound Ant Treatment, Including Fire Ants:** Apply 1/2 cup of Talstar® XTRA Granular Insecticide Featuring Verge Granule Technology per mound and then drench the mound with 1 to 2 gallons of water. The mound should be drenched with sufficient force to break its apex and allow the insecticide to flow into the soil and around the mound. For best results, apply in cool weather (65 to 80°F) or in early morning or late evening hours. Treat new mounds as they appear. Talstar® XTRA Granular Insecticide Featuring Verge Granule Technology will provide control of ant mounds within four hours. Food utensils such as teaspoons and measuring cups should not be used for food purposes after use with insecticide.

**INDUSTRIAL NON-AGRICULTURAL APPLICATIONS**

(Including Industrial Sites, Parks, Ball Fields and Cemeteries)

**Broadcast and Spot Applications:** For the control of actively foraging ants (including Imported Fire Ants) broadcast uniformly 2.3 to 4.6 lbs Talstar® XTRA Granular Insecticide Featuring Verge Granule Technology per 1000 sq ft.

**Potted Mounded Electrical Sites:** To reduce or prevent ant mound building activity on electrical pads, uniformly distribute 1.0 to 1.5 Tablespoons of Talstar® XTRA Granular Insecticide Featuring Verge Granule Technology per 4 sq. ft. of mounting pad. Where existing transformers are completely or partially filled with soil excavated by resident ants, remove any excess fill and level the remaining soil prior to application. Food utensils such as tableware must not be used for food purposes after use in measuring pesticides.

**Note:** Electrical transformers appear to be more attractive to ants during the cooler months. For best results, treat in the Fall or early Spring.

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

Notice: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

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 or FMC or Seller. All such risks shall be assumed by Buyer and User, and, to the extent permitted by applicable law, 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 PERMITTED BY APPLICABLE LAW, FMC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE SELECTION, PURCHASE, OR USE OF THE PRODUCT.
THIS PRODUCT. Any warranties, express or implied, having been made are inapplicable if this product has been used contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) seller or FMC, and, to the extent permitted by applicable law, buyer assumes the risk of any such use.

To the extent permitted by 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 PERMITTED BY 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 DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF FMC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

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