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.

EPA Reg. No. 279-3343 EPA Est. 279-IL-1

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

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

U.S. Patent pending

KEEP OUT OF REACH OF CHILDREN

CAUTION

See other panels for additional precautionary information.

FMC Corporation
1735 Market Street
Agricultural Products Group
Philadelphia PA 19103

Net Contents: 25 Pounds

01-13-11
APPLIED USE 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>
<th>Lb Total Active Ingredient per Acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lb Talstar XTRA Granular per 1000 sq ft</td>
<td>Lb Talstar XTRA Granular per Acre</td>
<td></td>
</tr>
<tr>
<td>Annual Bluegrass Weevi (Hyperodese) (adults)</td>
<td>1.15 to 2.3 Lbs/1000 sq ft</td>
<td>50 to 100 Lbs per Acre</td>
</tr>
<tr>
<td>Armyworms</td>
<td>2.3 to 4.6 Lbs/1000 sq ft</td>
<td>100 to 200 Lbs per Acre</td>
</tr>
<tr>
<td>Billbugs</td>
<td>3.0 to 5.3 Lbs/1000 sq ft</td>
<td></td>
</tr>
<tr>
<td>Black Turfgrass Ateanius (adults)</td>
<td>3.5 to 4.6 Lbs/1000 sq ft</td>
<td></td>
</tr>
<tr>
<td>Chinch Bugs</td>
<td>4.6 to 6.5 Lbs/1000 sq ft</td>
<td></td>
</tr>
<tr>
<td>Fleas (adults &amp; larvae)</td>
<td>5.0 to 7.6 Lbs/1000 sq ft</td>
<td></td>
</tr>
<tr>
<td>Millipedes</td>
<td>6.5 to 9.9 Lbs/1000 sq ft</td>
<td></td>
</tr>
<tr>
<td>Mole Crickets</td>
<td>7.6 to 12.2 Lbs/1000 sq ft</td>
<td></td>
</tr>
<tr>
<td>Mole Crickets</td>
<td>9.9 to 14.9 Lbs/1000 sq ft</td>
<td></td>
</tr>
<tr>
<td>Sod Webworms</td>
<td>12.2 to 18.3 Lbs/1000 sq ft</td>
<td></td>
</tr>
<tr>
<td>Spotted Gypsid</td>
<td>23.7 to 35.5 Lbs/1000 sq ft</td>
<td></td>
</tr>
</tbody>
</table>

Resistance Management Recommendations. Talstar XTRA Granular Insecticide 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 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 if there are signs of renewed insect activity, but not sooner than two weeks after the first application.

SPECIFIC PEST INSTRUCTIONS

For optimum control of particular pests, follow recommended 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 Weevi (Hyperodese) 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 May and September. Degree day models have been developed to optimize application timing. Consult your State Cooperative Extension Service for more specific information specific to your region. In temperate regions, spring applications targeting billbug adults will also provide control of over-wintered chinch bugs.
- **Black Turfgrass Ateanius adults:** Applications should be made during May and June. Application should be timed coinciding with the full bloom stage of Vanhoutte spirea (Spirea 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 – December) 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.
- **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.
water immediately after application to activate (release from the granule) the insecticide.

**Imported Fire ants:** Control will be optimized by combining broadcast applications that will control foraging workers and newly mated fly-in queens with mound treatments that will eliminate existing colonies. If the soil is not moist, then it is important to irrigate before or soon after application. Broadcast treatments should apply no more than 0.50 lbs ai per acre (4.6 lbs/1000 square feet). Mounds should be treated by applying 1/2 cup of Talstar XTRA Granular per mound and then drenching the mound with 1 to 2 gallons of water. The mound 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 (65 - 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 active stage. Application 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).

**Mole Cricket nymphs:** Grass areas that received intense adult mole cricket pressure in the 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 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. Resting areas can be identified at night using a blacklight (UV 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 resting sites.

**Ticks** (including those 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 areas on host animals. Do not allow public use of treated areas during application.

**Deer ticks** (Ixodes 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 to control larvae and nymphs that reside in the soil and leaf litter.

**American dog ticks** may be a considerable nuisance in suburban settings, particularly where homes are built on land that was previously forest or field. These ticks commonly congregate along paths or roadways 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 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 ant tunnels. Treat three feet out 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. 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 per 1000 sq. ft.

Pad Mounted 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 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 table spoons 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.

**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.

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 extreme weather conditions, a resistant strain of insect 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:**

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 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 OR RESTATEMENT 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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