



U.S. ENVIRONMENTAL PROTECTION AGENCY  
 Office of Pesticide Programs  
 Registration Division (7505P)  
 1200 Pennsylvania Ave., N.W.  
 Washington, D.C. 20460

**EPA Reg. Number:**

9688-355

**Date of Issuance:**

5/4/22

**NOTICE OF PESTICIDE:**

Registration  
 Reregistration  
 (under FIFRA, as amended)

**Term of Issuance:**

Conditional

**Name of Pesticide Product:**

Chemsico Lawn Insect Granules BZ

**Name and Address of Registrant (include ZIP Code):**

Michael G. Sarli  
 Senior Director Regulatory  
 Chemsico, A Division of United Industries Corp.  
 P.O. Box 142642  
 St. Louis, MO 63114

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

**Signature of Approving Official:**

Jacquelyn Herrick, Product Manager 3  
 Invertebrate-Vertebrate Branch 1, Registration Division (7505T)

**Date:**

5/4/22

1. You are required to comply with the data requirements described in the DCI identified below:
  - a. Bifenthrin GDCI-128825-902
  - b. Bifenthrin GDCI-128825-1159
  - c. Bifenthrin GDCI-128825-1114
  - d. Cypermethrin GDCI-109702-1208
  - e. Zeta-cypermethrin GDCI-129064-1209

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI listed above, you may contact the Chemical Review Manager in the Pesticide Reevaluation Division: <http://iaspub.epa.gov/apex/pesticides/f?p=chemicalsearch:1>

2. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. A one year study is required to satisfy these data requirements. You have 18 months from the date of registration to provide these data.
3. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, “EPA Reg. No. 9688-355.”
4. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 4/25/2022
- Alternate CSF 1 dated 1/26/2022

If you have any questions, please contact Rebecca Lasko by phone at 202-565-2469, or via email at [lasko.rebecca@epa.gov](mailto:lasko.rebecca@epa.gov).

# Chemsico Lawn Insect Granules BZ

For use to control pests as listed outdoors, in residential settings  
For use on lawns and landscaped areas around residential settings

<b>Active Ingredients</b>	
Zeta-Cypermethrin* .....	0.05%
Bifenthrin** .....	0.20%
<b>Other Ingredients</b> .....	<u>99.75%</u>
<b>Total</b>	100.00%

\* *Cis/trans* isomer ratio: Max 75% ( $\pm$ ) *cis* and Min. 25% ( $\pm$ ) *trans*

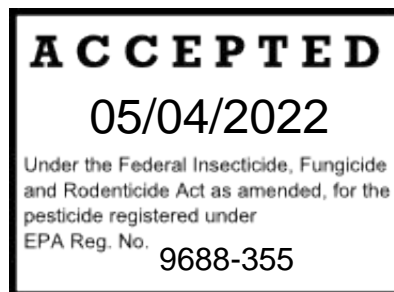
\*\* *Cis* isomers 97% minimum; *trans* isomers 3% maximum.

[U.S. Patent No. 4,238,505 & other US patents pending]

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

See [other panels][booklet][back] for additional precautionary information.

**Net Contents:**



<b>FIRST AID</b>	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>MEDICAL HOTLINE NUMBER</b>	
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)-917-5438 for Emergency Assistance.	
<b>NOTE TO PHYSICIAN</b>	
This product is a pyrethroid. If large amounts have been ingested, the stomach and intestine should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and so should be avoided.	

## PRECAUTIONARY STATEMENTS

### Hazards to Human and Domestic Animals

#### CAUTION

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear long-sleeved shirt and long pants, socks, shoes and gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

#### Environmental Hazards

This pesticide is extremely toxic to fish, aquatic invertebrates, oysters and shrimp. 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.

## DIRECTIONS FOR USE

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

For outdoor residential use only.

For soil or foliar applications, do not apply by ground within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish farm ponds.

Do not apply 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. Sweeping any product that lands on a driveway, sidewalk, or street, back onto the treated area of the lawn or garden will help to prevent run off to water bodies or drainage systems.

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

Do not apply or irrigate to the point of runoff.

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

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

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

#### Product Information

For use on plants intended for aesthetic purposes or climate modification and being grown in interior landscapes, ornamental gardens, lawns or grounds. Also, for use as a perimeter or spot treatment to control pests outdoors, including areas surrounding residential buildings.

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 or on grass grown for seed.

For residential use only. Not for use in pasture or animal (livestock) grazing areas.

**LAWN AND PERIMETER**

Apply this product directly to the lawn or garden area.  
 [On Lawns, Ornamentals, Flowers, Home Foundations] [Perimeter]

Water treated area as directed on this label. Do not water to the point of run-off.  
 Broadcast with suitable application equipment to ensure uniform coverage over the treatment area.

Do not broadcast apply more than 4.6 lbs granules per 1000 sq ft per year.

Do not apply more than 2.3 lbs granules per 1000 sq ft 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).

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

Pest	Application Rate
	lbs granules per 1000 sq ft
Annual Bluegrass Weevil ( <i>Hyperodes</i> ) (adults) Armyworms Billbugs (adults) Black Turfgrass Ataenius (adults) Cutworms Leafhoppers Mealybugs Sod Webworms	1.15 - 2.3
<p><b>Annual Bluegrass Weevil (<i>Hyperodes</i>) adults:</b> Time applications 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.</p> <p><b>Armyworms, Cutworms, and Sod Webworms:</b> To ensure optimum control, irrigate the treated area with water immediately after application to activate (release from the granule) the insecticide.</p> <p><b>Billbug adults:</b> Apply 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.</p> <p><b>Black Turfgrass Ataenius adults:</b> Apply during May and July to control the first and second generation of black turfgrass Ataenius adults, respectively. Time the May application to coincide with the full bloom stage of Vanhoutte spiraea (<i>Spiraea vanhouttei</i>) and horse chestnut (<i>Aesculus hippocastanum</i>). The July application should be timed to coincide with the blooming of Rose of Sharon (<i>Hibiscus syriacus</i>).</p>	
Ants (except Carpenter and Pharoah ants) Imported Fire Ants (adults) Crane Flies (larvae) Chinch Bugs Fleas (larvae and adults) Millipedes Mole Crickets (nymphs & adults) Scorpions Pillbugs Sowbugs Ticks	2.3
<p><b>Chinch Bugs:</b> 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.</p>	

**Crane Flies:** Treat 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.

**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 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 control existing colonies. Apply no more than 0.5 lbs. total ai (0.4 lbs. bifenthrin) per acre for broadcast treatments. Water-in area immediately after application.

For mound treatment, make applications in the early morning or late evening hours when it is cool and the ants are most active. Apply when temperatures are between 65° and 80°F. Irrigate the soil before application if it is dry. Treat mound and an area 4 ft in diameter around the mound. Apply ½ cup of product over each fire ant mound. After application, apply 1 to 2 gallons of water over each mound. Treat mounds with sufficient force to break their apex and allow the insecticide solution to flow into the ant tunnels, but not enough to significantly damage the mound which may lead to relocation. This treatment will control the mound within 15 [fifteen] minutes and kill the queen within 24 hours of application. **Do not use food utensils, such as teaspoons and measuring cups, for food purposes after use with pesticides.**

**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. Apply as late in the day as possible and water 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. Treat grass areas that receive pressure from adult mole crickets at peak egg hatch to ensure optimum control of subsequent nymph populations (see below).

**Mole Cricket nymphs:** Treat grass areas that received intense adult mole cricket pressure immediately in the spring 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. Apply as late in the day as possible and water 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. Treat these areas. Prior to treatment, to increase treatment efficacy, remove trash, debris, or firewood that scorpions may use as resting 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 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. Apply 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 field or forest. These ticks commonly congregate along paths or roadways where humans are likely to be encountered. Apply as necessary from mid-spring to early fall to control American dog tick larvae, nymphs and adults.

**Perimeter Applications:** Apply to ground area up to 7 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 Rate: lbs per 1000 sq ft	Band Width (ft)	lbs for Perimeter Applications Linear Distance (Feet) Around Structure							
		100	150	200	250	300	400	500	1000
2.3	5	1.3	1.9	2.5	3.1	3.6	4.8	5.9	11.7
2.3	7	2.0	2.8	3.6	4.4	5.2	6.8	8.4	16.5
3.0	5	1.7	2.5	3.2	4.0	4.7	6.2	7.7	15.2
3.0	7	2.6	3.6	4.7	5.7	6.8	8.9	11.0	21.5
3.5	5	2.0	2.9	3.8	4.7	5.5	7.3	9.0	17.8
3.5	7	3.0	4.2	5.4	6.7	7.9	10.3	12.8	25.0
4.6	5	2.7	3.8	5.0	6.1	7.3	9.6	11.9	23.4
4.6	7	3.9	5.5	7.1	8.8	10.4	13.6	16.8	32.9

**Note:** The amounts of product listed in the above table are based on the total area being treated. This area is determined by multiplying the linear distance by the band width and then adding to that value the area of a circle whose radius is equal to the band width (to account for the area treated at the four corners of a rectangular structure).

[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 this product if there are signs of renewed insect activity, but not sooner than two weeks after the first application.]

**SPREADER EQUIPMENT SETTINGS**

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.

Insert spreader setting table here (optional)

**Imported Fire Ants:**

This product is designed for use as a ready-to-use granular insecticide to control imported Fire Ants. This product can be used as a broadcast or mound treatment to prevent imported fire ants from establishing populations and/or to control existing populations.

Control will be optimized by combining broadcast applications that will control foraging workers and newly mated fly-in queens with mound treatments that will control existing colonies.

**FOR BROADCAST TREATMENT****HOW TO USE:**

Apply during the morning or late evening when it is cool and the ants are most active. Treat the entire lawn area to prevent reinfestation of fire ants from neighboring areas using broadcast or drop spreader. For best control of foraging workers and newly mated fly-in queens, use both broadcast applications and mound treatments that will kill existing colonies.

**HOW TO APPLY:** Apply uniformly over your lawn using the suggested spreader settings. Measure your treatment area to calculate the square feet (Length x Width of lawn area) and evenly distribute the product across the entire area. Water-in area immediately after application.

**FOR MOUND TREATMENT:****HOW TO USE [Application Tips]**

Make applications in the early morning or late evening hours when it is cool and the ants are most active. Apply when temperatures are between 65° and 80° F.

**HOW TO APPLY [Basic Bag]**

Treat mound and an area 4 ft in diameter around the mound. Apply ½ cup of product over each fire ant mound. Irrigate the soil before application if it is dry. After application, apply 1 to 2 gallons of water over each mound. Treat mounds with sufficient force to break their apex and allow the insecticide solution to flow into the ant tunnels, but not enough to significantly damage the mound which may lead to relocation. This treatment will control the mound within 15 [fifteen] minutes and kill the queen within 24 hours of application.

**HOW TO APPLY [Shaker Bag]**

Slide tab to open bag. Pull apart to break seal inside the bag. Hold handle to shake. Treat mound and an area 4 ft in diameter around the mound. [Shake bag to] Apply ½ cup of product over each fire ant mound (Please refer to the Application Rate Diagram[s] below for uniform distribution of granules at the specified application rate). Irrigate the soil before application if it is dry. After application, apply 1 to 2 gallons of water over each mound. Treat mounds with sufficient force to break their apex and allow the insecticide solution to flow into the ant tunnels, but not enough to significantly damage the mound which may lead to relocation. Slide tab back to close bag after application. This treatment will control the mound within 15 [fifteen] minutes and kill the queen within 24 hours of application.

**HOW TO APPLY [Resealable Bag]**

Treat mound and an area 4 ft in diameter around the mound. Apply ½ cup of product over each fire ant mound (Please refer to the Application Rate Diagram[s] below for uniform distribution of granules at the specified application rate). Irrigate the soil before application if it is dry. After application, apply 1 to 2 gallons of water over each mound. Treat mounds with sufficient force to break their apex and allow the insecticide solution to flow into the ant tunnels, but not enough to significantly damage the mound which may lead to relocation. Press to reseal bag after application. This treatment will control the mound within 15 [fifteen] minutes and kill the queen within 24 hours of application.

**Application Rate Diagram**

Refer to the diagram [below] [above] as a guide for uniform distribution of granules at and around mound.

**[Insert Diagram]****FOR MOUND DRENCH TREATMENT:****HOW TO USE**

Make applications in the early morning or late evening hours when it is cool and the ants are most active. Apply when temperatures are between 65° and 80°F.

**HOW TO APPLY**

Dilute 1 teaspoon of this product per 1 gallon of water. Apply 1 to 2 gallons of diluted spray per mound. Treat mounds with sufficient force to break their apex and allow the insecticide solution to flow into the ant tunnels, but not enough to significantly damage the mound which may lead to relocation. This treatment will control the mound within fifteen minutes and kill the queen within 24 hours of application.



**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 original containers only. 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**

Do not pour or dispose down-the-drain or sewer. Call your local solid waste agency for local disposal options.

**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 by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**NOTICE: To the extent consistent with applicable law, buyer assumes all responsibility for safety and use not in accordance with directions.**

**[Questions or comments?** Call toll free 1-800-332-5553. [(800) 917-5438] [(800) 767-9927] [(888) 880-1181]

[≠Guaranteed [Results] [or your] [money back]]

[≠If you are not satisfied with this product for any reason, send your written request for a refund to the address below, together with the original dated store receipt showing the price you paid. Please allow 6-8 weeks for processing.]

Chemsico, A Division of United Industries Corporation  
PO Box 142642  
St. Louis, MO 63114-0642

EPA Reg. No: 9688-355

EPA Est. No. 9688-MO-1

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**OPTIONAL MARKETING CLAIMS:**

*{Spanish translation of text may be included on marketed label}*

One Application  
6[Six]Month Control  
One application provides 6 [six] month fire ant control  
Kills Mounds and the Queen  
Kills foraging Fire Ants  
Kills Fly-in Queens  
Kills, Controls and Protects for up to 6 [six] months  
Dual Active formula  
Guaranteed≠ Or your money back  
Guaranteed≠ Fire Ant Control  
Up to Six [6] month control – Guaranteed! ≠  
Insect control with Bifenthrin as listed Specially formulated for lawns  
Kills listed insects in/and under the lawn  
Kills [controls] fire ants in/and under the lawn  
Provides a protective barrier to keep fire ants away up to [6][six] months  
For use on Lawns, Ornamentals, Flowers, [Perimeter]  
For Outdoor Use Only  
Treats [Kills] [fire ant] mounds  
Individual Mound Treatment  
Apply over & around mound  
Kills Visible and Hidden Mounds  
No mound relocation  
Guaranteed Results≠  
Convenient shaker bag  
Resealable bag  
For convenient application to individual Fire Ant Mounds  
Cut [here] to open  
Press to reseal  
For use around ornamental gardens  
Kills [fire ants] by contact  
Kills [fire ants] overnight  
Kills mounds in minutes



Starts killing in minutes  
Starts killing immediately after watering in [or][irrigating]  
Starts killing immediately by contact  
Keeps killing for 6 [six]months  
Controls [Kills] fire ant mounds in 15 minutes  
Prevents New Mounds from Forming [for up to 6 [six] months] Protects the lawn for 6 [six] months  
Immediate Release Granules Deep Penetrating Formula  
Easy To Use Granules  
Ready to use [granules]  
Easy to spread [granules]  
Easy to apply  
2x [2 times] the coverage<sup>†</sup> - 23 lbs [pounds] covers up to 10,000 sq ft  
<sup>†</sup>As compared to the 5,000 sq ft bag  
2x [2 times] the coverage<sup>†</sup> - 46 lbs [pounds] covers up to 20,000 sq ft  
<sup>†</sup>As compared to the 10,000 sq ft bag  
14.4 lbs [pounds] covers up to 6,260 sq ft  
Special Value [Bonus Bag]! XX% More!  
\*XX% More than the XX lb [pounds] bag  
10 lbs covers up to 2,300 sq ft [at the 2.3 lb/1,000 sq ft rate]  
20 lbs covers up to 4,600 sq ft [at the 2.3 lb/1,000 sq ft rate]  
10 lbs covers up to 8,695 sq ft at the 1.15 lb/1,000 sq ft rate  
20 lbs covers up to 17,391 sq ft at the 1.15 lb/1,000 sq ft rate  
XX% more than the XX lb [pounds] bag Virtually dust free formula  
Virtually odor-free  
Not harmful to grasses