



# 22-0-4

## 40% XCU<sup>®</sup> with Mallet-Lambda Insecticide

### Professional turf fertilizer with Mallet-Lambda Insecticide Professional Turf Grade (SGN 200)

#### Product Features

- This Nutrite professional grade fertilizer now combines the performance of Mallet with Lambda for insect control ABOVE and BELOW the ground in one application.
- You get the performance you've come to know from Mallet along with premium surface feeder insect control from Lambda Cyhalothrin, a broad spectrum and fast-acting synthetic pyrethroid insecticide that controls many surface feeding insects.
- Offers almost twice as much imidacloprid as competitive products for grub control.
- Contains 0.2% Imidacloprid and 0.04% Lambda-Cyhalothrin.
- 40% of the nitrogen is derived from XCU<sup>®</sup> polymer-coated, sulphur-coated urea. XCU<sup>®</sup> slow-release nitrogen provides extended feeding.

#### Turf Benefits

- XCU<sup>®</sup> slow-release fertilizer uses breakthrough technology to provide a unique coating that allows gradual and consistent nutrient release delivering up to 8 weeks of continuous feeding.

#### Product Characteristics

<b>Product Code:</b>	P000616
<b>Product Type:</b>	Professional Turf Fertilizer with Imidacloprid-Lambda Insecticide
<b>Particle Size:</b>	SGN 200
<b>Net Weight:</b>	50 lb
<b>Bulk Density:</b>	66 lb/ft <sup>3</sup>
<b>Coverage:</b>	14,670 ft <sup>2</sup> @ 3.4 lb/M 11,000 ft <sup>2</sup> @ 4.6 lb/M

#### Guaranteed Analysis

		%
Total Nitrogen	(N)	22.0
22.0% Urea Nitrogen*		
Soluble Potash	(K <sub>2</sub> O)	4.0
Chlorine not more than	(Cl)	2.9
Derived from: Polymer-coated, sulfur-coated urea, Urea, Muriate of potash..		

\* 8.2% Slowly available nitrogen from polymer-coated, sulfur-coated urea.

**Actives Ingredients:** 0.2% Imidacloprid  
0.04% Lambda-Cyhalothrin



**For more information, contact Nutrite at:**

**1-800-265-8865**

**www.nutrite.com**



# Nutrite Professional Turf Fertilizer with MALLET®- Lambda Insecticide

Soil & Turf Insect Killer Granules  
 For use around buildings and structures for the control of listed pests, including on lawns, around the base of ornamental trees and shrubs, around residential, institutional, public, commercial, agricultural and industrial buildings; and on parks, on recreational areas, and on athletic fields.

Restrictions: Not for sale, sale into, distribution and/or use in Nassau, Suffolk, Kings and Queens counties, New York. In New York State, this product may not be applied to lawns within 100 ft. of a coastal marsh or stream that drains directly into a coastal marsh.

<b>22-0-4 with XCU® GUARANTEED ANALYSIS</b>	
Total Nitrogen (N).....	22.0%
22.0% Urea Nitrogen*	
Soluble P potash (K <sub>2</sub> O).....	4.0%
Chlorine (Cl) not more than .....	2.9%
Derived from: Polymer-coated, sulfur-coated urea, Urea, Muriate of potash.	
*8.2% Slowly available nitrogen from polymer-coated, sulfur-coated urea.	
<b>Premium Turf Grade: SGN 200</b>	

<b>ACTIVE INGREDIENTS:</b>	
Imidacloprid.....	0.20%
Lambda-cyhalothrin.....	0.04%
<b>INERT INGREDIENTS.....</b>	<b>99.76%</b>
<b>TOTAL.....</b>	<b>100.00%</b>

## KEEP OUT OF REACH OF CHILDREN CAUTION

EPA REG. NO. 228-610-87245  
 EPA EST. NO. 87245-CAN-001 (C)  
 EPA EST. NO. 089135-AZ-001 (A)  
 EPA EST. NO. 90681-NC-001 (N)  
 \*Number in parentheses used is first letter of lot number  
 \* If lot begins "C": Made in Canada  
 \* If lot begins "A," "N," "N": Made in USA  
**Product Code: P000616**  
**Net Wt. 50 lb (22.68 kg)**  
 MANUFACTURED, GUARANTEED AND DISTRIBUTED BY:  
 Ferti Technologies  
 560 Rheaume P.O. Box 129  
 Saint-Michel, QC  
 Canada, J0L 2J0

**READ THE ENTIRE LABEL FIRST. OBSERVE ALL PRECAUTIONS AND FOLLOW DIRECTIONS CAREFULLY.**  
 For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9500.  
**PRECAUTIONARY STATEMENTS**  
**Hazards to Humans & Domestic Animals**  
**CAUTION:** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

**FIRST AID IF IN EYES:**  
 • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.  
 • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.  
 • Call a poison control center or doctor for treatment advice.

**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 person.  
 • Do not give anything by mouth to an unconscious person.

**IF ON SKIN OR CLOTHING:**  
 • Rinse skin immediately with plenty of water for 15 to 20 minutes.  
 • Call a poison control center or doctor for treatment advice.

**HOT LINE NUMBER**  
 Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.  
**NOTE TO PHYSICIAN**  
 No specific antidote is available. Treat the patient symptomatically.

**ENVIRONMENTAL HAZARDS**  
 This product is highly toxic to fish and aquatic invertebrates. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area. Do not apply directly to water, or to areas where surface water is present or to incidental areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate. Rinsate may be hazardous to aquatic organisms in water adjacent to treated areas.  
 This product and its ingredients are associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**  
 Some materials that are chemical-resistant to this product are barrier laminate, butyl rubber > 14 mils, nitrile rubber > 14 mils, and neoprene rubber > 14 mils. If you want complete PPE instructions for category A on an EPA Chemical-Resistance category selection chart, contact your distributor.  
 Loaders and other handlers must wear:  
 Long-sleeved shirt and long pants. Shoes plus socks. Chemical-resistant gloves are required for applicators using hand held equipment. 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. Discard clothing and 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.  
 Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water.  
 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.

**STORAGE AND DISPOSAL**  
 Do not contaminate water, food or feed by storage or disposal.  
**PESTICIDE STORAGE:** Store in original container. Keep area inaccessible to children.  
**PESTICIDE DISPOSAL:** Pesticide wastes may be hazardous. Improper disposal of excess pesticide is a violation of Federal Law. Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.  
**CONTAINER HANDLING:** Nonrefillable 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 if, or allowed by state and local authorities, by burning. If burned, stay out of smoke.

**DIRECTIONS FOR USE**  
 It is a violation of Federal law to use this product in a manner inconsistent with its labeling.  
 Restrictions:  
 • Keep children and pets off treated area until product has been watered in and lawn is dry.  
 • Do not apply this product to edible growing crops or stored raw agricultural commodities used for food or feed.

• Do not allow applications to contact water inhabited by fish, such as in ornamental fish ponds that are located around structures being treated.  
 • Do not apply this product by aerial application.

• Use of this pesticide adjacent to water may affect aquatic organisms. To protect these aquatic forms, do not apply this pesticide within 25 ft. of lakes, reservoirs, streams, ponds, intermittent streams, marshes or natural ponds, estuaries, and commercial fish farm ponds.  
 • In New York State, this product may not be applied within 100 feet of a coastal marsh, or streams that drains directly into a coastal marsh.  
 • All restrictions and precautions which appear on the label of this product must be followed.  
 • Do not apply more than 200 pounds of this product per acre per year (4.6 lb per 1000 square feet per year).  
 • Not for use in commercial greenhouses, nurseries on sod farms or on grass grown for seed.

**IMPORTANT:** Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in interior landscapes, outdoor ornamental gardens or parks, or on lawns or grounds.

**ORNAMENTALS**  
 This product can be used as a broadcast application on ornamentals in commercial and residential landscapes.

**APPLICATION INSTRUCTIONS**  
 This product is a systemic product which is translocated upward within the plant system. Follow applications with sufficient mechanical incorporation, irrigation or rainfall to move the active ingredient into the soil within 24 hours after application.  
 Apply prior to pest infestation to achieve optimum control.  
 Apply as a broadcast treatment. Prior to application, remove black plastic or other weed barrier material that will not permit water permeability.  
 Do not allow runoff or puddling of irrigation water following application. Do not apply this product to areas which are water logged or saturated, which will not allow absorption.  
 Restriction:  
 Do not apply more than 4.6 lb of product per 1,000 sq. ft. or 200 lb of product (0.4 lb of imidacloprid active ingredient) per acre per year.

**APPLICATION EQUIPMENT**  
 Apply this product uniformly over the area being treated with granular application equipment. Both drop-type and rotary-type spreaders may be used to apply this product. Use a spreader which would apply the product in a uniform pattern according to the manufacturer's directions. Check frequently to be sure equipment is working properly and distributing granules uniformly and accurately.

<b>APPLICATION OF THIS PRODUCT ON ORNAMENTALS</b>	
<b>SITE</b>	<b>RATE</b>
Landscape Plantings (including ornamental trees, shrubs, topiaries, foliaged plants, and ground covers)	2 - 3 lbs per 1,000 sq ft
White grub larvae (such as Japanese beetle larvae, Chaters, <i>Phyllophaga</i> spp. Asiatic garden beetle, Oriental beetle)	

**INFORMATION**  
 For use on burfgrass in residential lawns, business and office complexes, shopping complexes, multi-family residential complexes, golf courses, airports, cemeteries, parks, playgrounds, and athletic fields to control soil inhabiting pests as listed in the table below. This product can also be used for the suppression of cutworms and chinchbugs in burfgrass areas.

**CONTROL OF GRUBS AND SOIL INSECTS IN TURFGRASS**  
 Effective control can be achieved when applications are made before or during the egg laying period. The timing of applications can be based on historical monitoring of the site, previous records or experience, current season adult trapping or other methods. For best control apply prior to egg hatch of the target pests. Allow rainfall or irrigation sufficiently within 24 hours after application to move the active ingredient through the soil.  
 Do not make applications when burfgrass areas are waterlogged or the soil is saturated with water. Adequate distribution of the active ingredient cannot be achieved when these conditions exist. The area to be treated must be able to accept water until penetration of rainfall or irrigation water. Do not mow turf or lawn area until sufficient irrigation or rainfall has occurred so that uniformity of application will not be affected.

Consult your local State Agricultural Experiment Station or State Extension Turf Specialists for more specific information regarding timing of application.

### APPLICATION EQUIPMENT

Apply this product uniformly over the area being treated with granular application equipment. Both drop-type and rotary-type spreaders may be used. Do not use spreaders which apply the material in concentrated bands. Calibrate application equipment prior to use according to the manufacturer's directions. Check frequently to be sure equipment is working properly and distributing granules uniformly and accurately.

<b>RATES OF THIS PRODUCT FOR GRUB AND SOIL INSECT CONTROL ON TURFGRASS</b>	
<b>PEST</b>	<b>RATE</b>
Larvae of: European Crane Fly, ( <i>Tipula paludosa</i> ) Annual bluegrass weevil, Copper colored weevil, May or June beetle, ( <i>Phyllotraga</i> spp.) Asiatic garden beetle, ( <i>Melolontha castaneae</i> ) Japanese Beetle, ( <i>Popillia japonica</i> ) Billbug, ( <i>Sphagrorhynchus</i> spp.) Northern masked chaffer, Southern masked chaffer, ( <i>Cyclocephala borealis</i> , C. <i>immaculata</i> , and/or <i>C. lurida</i> ) Black turgrass weevils, ( <i>Ateuchus</i> <i>virginicus</i> , <i>A. lineator</i> ) Oriental Beetle, ( <i>Anomala orientalis</i> ) Cutworms (suppression). European chaffer, ( <i>Rhizotrogus majalis</i> ) Chinchbug (suppression) Mole Crickets, ( <i>Scapteriscus</i> spp.)	3.4 - 4.6 lb per 1,000 sq ft For optimum control of grubs, billbugs, European crane fly and annual bluegrass weevil, make application prior to egg hatch of the target pest. Make application prior to egg hatch of the target pest. For suppression of chinchbugs, make application prior to hatching of the instar nymphs. For control of mole crickets make application prior to or during the pre-egg laying period. For mole crickets adults or large nymphs are present and actively tunneling, apply with a remedial insecticide.

**LAWN AND PERIMETER PEST CONTROL**  
 This product may be used for applications to maintain outdoor areas where turf and ornamental ground covers are grown such as residential landscaped areas and non-park recreational areas and athletic fields. Use this product with suitable application equipment to ensure uniform coverage over the treatment area. The application rates listed in the Lawn and Perimeter Use Rate table will provide excellent control of the respective pests under typical conditions.

**APPLICATION INSTRUCTIONS**  
 Use higher rate for longer length of control. Watering (irrigation or rainfall) following application will assist in the greater area coverage. The application rate table average is based on a 100% application rate. For applications to be made on a smaller area or local Cooperative Extension Service office for specific pest control application timing in your area. Start application to turf prior to the establishment of high insect pest populations and significant turf damage. Make reapplications as necessary to keep pest populations under control, using higher rates as pest pressure increases.

**RESTRICTIONS**  
 Treated areas may be replanted with any crop specified on both imidacloprid and permethrin labels, or with any crop for which a tolerance exists for both active ingredients.  
 For crops not listed on imidacloprid and lambda cyhalothrin labels, or for crops for which no tolerances for the active ingredients have been established, a 12-month plant-back interval must be observed.

<b>PEST</b>	
<b>TREATMENT</b>	<b>Rate of Product Per 1000 ft<sup>2</sup></b>
Band Treatment Around Foundation	2.2 - 3.3 lbs.
Ants (Southern, Field, Allegheny Mound, Cornfield, Honey, Pavement, Nuisance (excluding carpenter, pharaoh and imported fire ants), Beetles, Crickets, Earwigs, Firebrats, Millipedes, Mites	97 - 144 lbs.