



Valley Green 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.

17-0-3 with 50% XCU® 3% Fe

GUARANTEED ANALYSIS

Total Nitrogen (N).....	17.0%
17.0% Urea Nitrogen*	
Soluble Potash (K2O).....	3.0%
Sulfur (S).....	1.2%
0.4% Combined sulfur	
Iron (Fe).....	3.00%
0.15% Water soluble Iron	

Derived from: Urea, Polymer-coated, sulfur-coated urea, Muriate of potash, Ferrous sulfate, Iron oxide.

*7.9% Slowly available nitrogen from polymer-coated, sulfur-coated urea.

ACTIVE INGREDIENTS:	
Imidacloprid	0.20%
Lambda-cyhalothrin	0.04%
OTHER INGREDIENTS:	99.76%
TOTAL:	100.00%

KEEP OUT OF REACH OF CHILDREN CAUTION

EPA REG. NO. 228-610-87245
EPA EST. NO. 87245-CAN-001 (C)
EPA EST. NO. 92091-CAN-1 (P)
EPA EST. NO. 089135-AZ-001 (A)
EPA EST. NO. 93243-CT-001 (CT)
EPA EST. NO. 90561-NC-001 (N)

*Number in parentheses used is first letter of lot number
* If lot begins "C" or "P", Manufactured in Canada
* If lot begins "A", "CT" or "N", Manufactured in USA

Product code: P002471
Net Wt. 50 lb (22.68 kg)

MANUFACTURED, GUARANTEED AND DISTRIBUTED BY:
Ferti Technologies
560 Rhéaume P.O. Box 129
Saint-Michel, QC, J0L 2J0
Canada

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300.

PRECAUTIONARY STATEMENTS Hazards to Humans & Domestic Animals

CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing.

FIRST AID	
IF IN EYES:	<ul style="list-style-type: none"> • 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.
HOT LINE NUMBER	In Case of Medical emergency only call (877) 325-1840 Have a product container or label with you when calling a poison control center or doctor, or going for treatment.
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 intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate. Runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

This product contains a chemical with properties and characteristics 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)

Loaders, applicators and other handlers must wear:

Long-sleeved shirt and long pants, Shoes plus socks, Applicators using hand held equipment must also wear chemical-resistant gloves made out of: barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, or neoprene rubber ≥14 mils.

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.
- 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 and pets.

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.

DIRECTIONS FOR USE

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

Use 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.
- Do not apply near water, storm drains, or drainage ditches. Do not apply if heavy rain is expected. Apply only to your lawn or garden and sweep any product that lands on driveway, sidewalk or street back onto your lawn or garden.
- For products to be sold in Florida (statement as required by Florida Department of Agriculture and Consumer Services per their January 2015 revision to Urban Turf Rule

5E-1.003): Apply only to actively growing turf. Do not apply near water, storm drains, or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to your lawn, and sweep any product that lands in the driveway, sidewalk, or street, back onto your lawn. Check with your local Cooperative Extension Agency to obtain specific information on local turf best management practices. Check with you county or city government to determine if there are local regulations for fertilizer use.

- Use of this pesticide adjacent to water may affect aquatic organisms. To protect these organisms, do not apply this pesticide within 25 ft. of lakes, reservoirs, rivers, permanent streams, marches 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 penetration into the root zone of the plant.

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. Do not use the type of spreaders which would 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.

APPLICATION OF THIS PRODUCT ON ORNAMENTALS

For use around industrial and commercial buildings and on residential areas.

SITE	PEST	RATE
Landscape Plantings (including ornamental trees, shrubs, evergreens, flowers, foliage plants, and ground covers)	White grub larvae (such as Japanese beetle larvae, Chafers, Phyllophaga spp. Asiatic garden beetle, Oriental beetle)	2 - 3 lbs per 1,000 sq ft

INFORMATION

For use on turfgrass 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 in turfgrass 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 experiences, current season adult trapping or other methods. For best control apply prior to egg hatch of the target pests. Allow rainfall or irrigate sufficiently within 24 hours after application to move the active ingredient through the thatch.

Do not make applications when turfgrass 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 vertical penetration of rainfall or irrigation water. Do not mow turf or lawn area until after 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.

RATES OF THIS PRODUCT FOR GRUB AND SOIL INSECT CONTROL ON TURFGRASS		
PEST	USE DIRECTIONS	RATE
Larvae of: European Crane Fly, (<i>Tipula paludosa</i>) Annual bluegrass weevil, (<i>Hyperodes</i> spp.) Green June Beetle, (<i>Cotinis nitida</i>); May or June beetle, (<i>Phyllophaga</i> spp.); Asiatic garden beetle, (<i>Maladera castanea</i>) Japanese Beetle, (<i>Popillia japonica</i>) Billbug, (<i>Spherophorus</i> spp.) Northern masked chafer and Southern masked chafer, (<i>Cyclocephala borealis</i> , C. <i>immaculata</i> , and/or <i>C. lurida</i>) Black turfgrass atanius, (<i>Ataenius spretulus</i> and Aphodius spp.) Oriental Beetle, (<i>Anomala orientalis</i>) Cutworms (suppression), European chafer, (<i>Rhizotroqus majalis</i>)	For control of grubs, billbugs, european crane fly and annual bluegrass weevil, make application prior to egg hatch of the target pest.	3.4 - 4.6 lb per 1,000 sq ft (150 - 200 lbs per acre)
Chinchbug Mole Crickets, (<i>Scapteriscus</i> spp.)	For control of chinchbugs, make application prior to hatching of the instar nymphs. For control of mole crickets make application prior to or during the peak egg hatch period. When adults or large nymphs are present and actively tunneling, apply with a remedial insecticide.	4.6 lb per 1,000 sq ft (200 lbs per acre)

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 residential landscapes around institutional, public, and commercial buildings, and on parks, 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 table below will provide 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 dissolve the granules and release the insecticide. Uniform coverage is necessary to provide the most effective level of control. Consult your state university 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.

TREATMENT	PEST	Rate of Product Per 1000 ft ²	Rate of Product Per Acre
Band Treatment Along Foundation (not to exceed 3 ft from foundation; only over soil or plants)	Ants (Southern, Field, Allegheny Mound, Cornfield, Honey, Pavement, Nuisance and Fire ants) (excluding carpenter and pharaoh), Beetles, Crickets, Earwigs, Firebrats, Fleas, Millipedes, Mites, Ticks	2.2 - 3.3 lbs.	97 - 144 lbs.
Lawn Application	Ants (Southern, Field, Allegheny Mound, Cornfield, Honey, Pavement, Nuisance and Fire ants) (excluding carpenter and pharaoh),	2.2 - 3.3 lbs.	97 - 144 lbs.

	Armyworms (Fall & Yellow-striped), Crickets, Cutworms, Earwigs, European Crane Flies, Fleas, Grasshoppers, Green June Beetles Japanese Beetle (Adult), Leafhoppers, Millipedes, Mites, Lawn moths (Sod webworms), Spider Mites (Twospotted, Spruce), Spittlebugs, Springtails, Ticks		
Lawn Application	Billbugs, Chinch Bugs, Dung beetles, Green June beetle grubs, Hyperodes weevils, Japanese beetle grubs, Mole Crickets	3.3 – 4.4 lbs	144 – 194 lbs.
Spot Treatment	Ants (excluding carpenter and pharaoh)	Apply 1 teaspoon to ½ cup over, and 2 ft. around each ant mound	
* Suppression only			

SPECIFIC USE INSTRUCTIONS

Treatment around Foundations

To control pests normally found around or near foundations of houses, as well as in lawns, and certain of these pests that may enter houses.

PEST	RATE	USE INSTRUCTIONS
Ants (Southern, Field, Allegheny Mound, Cornfield, Honey, Pavement, Nuisance and Fire ants) (excluding carpenter, pharaoh) Beetles Crickets Earwigs Firebrats Fleas Millipedes Mites Ticks	Apply at the rate of 2.2 lb to 3.3 lb per 1,000 sq. ft. (an area 5' x 200') or 3.5 oz. to 5.3 oz. per 100 sq. ft. (10' x 10').	Apply up to 3 foot band of granules next to the house foundation and completely distribute the granules. Water lightly immediately following application. Treat when insects first appear or when you notice lawn damage. Remove leaf litter and debris from the foundation area. Cut back branches and vegetation that touch the foundation. Rake away other potential pest harborage sites, such as deep mulch before application.

Lawn Application

PEST	RATE	USE INSTRUCTIONS
Ants (Southern, Field, Allegheny Mound, Cornfield, Honey, Pavement, Nuisance and Fire ants) (excluding carpenter and pharaoh) Armyworms (Fall & Yellow-striped) European Crane Flies Crickets Cutworms Earwigs Fleas Lawn moths (sod webworms) Grasshoppers Japanese beetle (adults) Spittlebugs Mites Green June Beetles Leafhoppers Millipedes Springtails Ticks	Apply at the rate of 2.2 lb to 3.3 lb per 1,000 sq. ft. (an area 20' x 50') or 3.5 oz. to 5.3 oz. per 100 sq. ft. (10' x 10').	Apply with a fertilizer spreader (see spreader setting chart). Apply when grass is dry and water the lawn lightly immediately following application. Treat when insects first appear or when you notice lawn damage.
Billbugs Grubs (Japanese beetle grubs, Green June Beetle Grubs) <i>Ataenius spretulus</i> (dung beetles) Hyperodes Weevils, Chinch bugs, Mole Crickets	Apply 3.3 lb. per 1,000 sq. ft. of lawn.	Water grass completely immediately following application. Treat when insects first appear or when you notice lawn damage. For hyperodes weevils , apply in April-May.

		For billbug control , apply in May when activity is first observed or when chewed or brown grass indicates damage from these insects. For grub control , except on dung beetle, treat any time between late July and early October. For chinch bug control , apply during the summer when both nymphs and adults may be present. For dung beetle grub control , apply in early spring or early summer (March-July) when damage is first noticed. Immediately following application, completely water grass with ¼ to ½ inch of water. If a second generation occurs, treat again in late summer or early fall. For mole crickets apply in the early spring for control of adults when actively invading grass areas. If the soil is dry, water before application to bring mole crickets closer to the surface and in contact with the granules. Apply late in the day and water in following application. For control of early nymphal stages, apply at the time of peak egg hatch. As the nymphs mature, higher rates may be necessary.
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Spot Treatment for Ant Mounds (Not for Use in California)

PEST	RATE	USE INSTRUCTIONS
Ants (Southern, Field, Allegheny Mound, Cornfield, Honey, Pavement, Nuisance and Fire ants) (excluding carpenter and pharaoh)	Apply 1 teaspoon to ½ cup over, and 2 ft. around each ant mound	Use both broadcast and spot treatment for difficult to large ant infestations. If soil is dry, water lightly before application to bring the ants closer to the surface for better control. Immediately following application, water in completely. Apply a minimum of 1 gallon of water to each mound area. To prevent the disturbance of ants, water gently. Use of high pressure watering equipment may disturb the ants and cause migration, reducing product effectiveness. For best results, apply in cool weather, 65°-80° F, or in early morning or late evening hours. Treat new mounds as they appear.

Granular Spreader Settings^{1,2}

	2.2 lb/1,000 sq. ft. (Treats 22,640 sq. ft.)	3.4 lb/1,000 sq. ft. (Treats 14,705 sq. ft.)	4.0 lb/1,000 sq. ft. (Treats 12,500 sq. ft.)	4.6 lb/1,000 sq. ft. (Treats 10,870 sq. ft.)
Make and Models				
Scotts R-8A	H	I ½	J	J ½
Accupro 2000	I	J ½	K	K ½
Prizelawn BF-1 / CBR IV	H	I ½	J	J ½
Lesco (Letter/Number)	C.5 / 9	E / 12	E ½ / 13	F / 14
Earthway Rotary	11	12	13.5	14
Cyclone spyker	3.75	4	4.25	4.5

¹Assume 3 mph walking speed.

²It is recommended that you calibrate your spreader before application since manufacturer's settings can vary among the same model of spreader.

*Note: All of calibration starting points given above are for wheel-to-wheel coverage (100% overlap).

WARRANTY DISCLAIMER

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If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

Mallet® is a registered trademark of Nufarm Americas Inc.

If this product is being sold in a state requiring the publication of information regarding its metal content, information regarding the contents and levels of metals in this product is available at the following website: <http://www.aapfco.org/metals.htm>

To prevent contamination of the environment, DO NOT apply near water, storm drains, gutters or ditches. Do NOT apply when heavy rain or downpour is predicted for that day. Apply this product only to your lawn or garden, and sweep any product that lands on the driveway, sidewalk, or street, back onto the treated area of your lawn or garden.

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