



# ALLECTUS® 0.225 INSECTICIDE PLUS FERTILIZER

Group 3 4A Insecticide

For fertilization and insect control in turfgrass areas including athletic fields and parks and residential, commercial, industrial, institutional, and recreational lawns.

**Not for use on golf courses or sod farms.**

For control of grubs, treats up to 13,613 sq. ft.

For control of surface feeders, treats up to 27,225 sq. ft.

**ACTIVE INGREDIENT:**

Imidacloprid, 1-[(6-Chloro-3-pyridinyl) methyl]-N-nitro-2-imidazolidinimine .....	0.125%
Bifenthrin* .....	0.100%

**OTHER INGREDIENTS:** ..... 99.775%

**TOTAL:** ..... 100.00%

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

**STOP - Read the label before use  
KEEP OUT OF REACH OF CHILDREN  
CAUTION**

For MEDICAL and TRANSPORTATION Emergencies ONLY

Call 24 Hours A Day 1-800-334-7577

For PRODUCT USE Information Call 1-800-321-5325

FIRST AID	
If on skin	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
If in eyes	<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>
Have the product container or label with you when calling a poison control center or doctor or going for treatment. In case of emergency call toll free the Bayer Environmental Science Emergency Response Telephone No. 1-800-334-7577.	
<b>Note to Physician:</b> No specific antidote is available. Treat the patient symptomatically. This product contains a pyrethroid. If large amounts have been ingested, milk, cream and other digestible fats and oils may increase absorption and so should be avoided.	

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing before reuse.

**ENVIRONMENTAL HAZARDS**

This product is extremely toxic to fish and aquatic invertebrates. Run-off may be hazardous to aquatic organisms in water adjacent to treated areas. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters, or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. 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.

This product contains a chemical with properties and characteristics associated with chemicals detected in ground-water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

**DIRECTIONS FOR USE**

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirement specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**APPLICATION TO TURFGRASS**

The use of this product will provide plant nutrients as well as providing control of selected insect pests. ALLECTUS 0.225 Insecticide Plus Fertilizer can be used for the control of soil inhabiting pests of turfgrass, for example, northern and southern masked chafers, Cyclocephala borealis, C. immaculata, and/or C. lurida; Asiatic garden beetle, Maladera castanea; black vine weevil, Otiorthynx sulcatus, European chafer, Rhizotrogus majalis; green June beetle, Cotinis nitida; May or June beetles, Phyllophaga spp.; Japanese beetle, Popillia japonica; oriental beetle, Anomala orientalis; Eutheola humulis rugiceps, billbugs, Sphenophorus spp.; annual bluegrass weevil, Lissorhynchus maculicollis; black turfgrass ataenius, Ataenius spretulus; Aphodius spp; Crane flies, Tipula spp; frit fly, Oscinella frit; chinch bugs, Blissus spp.; fire ants, Solenopsis spp.; cutworms, Agrotis ipsilon, Peridroma saucia, Nephelodes me-nians; armyworms, Spodoptera spp., Pseudaleitia spp.; sod webworm, Crambus spp.; and mole crickets, Scapteriscus spp. ALLECTUS 0.225 Insecticide Plus Fertilizer can be used as directed on turfgrass, for example, in home lawns, business and office complexes, shopping complexes, multi-family residential complexes, airports, cemeteries, parks, playgrounds, and athletic fields.

The active ingredients ALLECTUS 0.225 Insecticide Plus Fertilizer have sufficient residual activity so that applications for control of subsurface feeders can be made preceding the egg laying activity. The need for an application for control of subsurface feeders can be based on historical monitoring of the site, previous records or experiences, current season adult trapping or other methods. Optimum control of subsurface feeders will be achieved when applications are made prior to egg hatch of the target pest, followed by sufficient irrigation or rainfall to move the active ingredient through the thatch.

The active ingredients in ALLECTUS 0.225 Insecticide Plus Fertilizer have sufficient knockdown and residual activity to provide remedial and residual control of surface feeding pests. Applications for control of surface feeding pests can be made when infestations are anticipated based on historical monitoring of the site, previous records or experience, current season adult trapping or presence of insects at economic thresholds as determined by scouting and/or recommendations of local State extension personnel or other qualified specialists.

Do not apply more than 200 lbs. of ALLECTUS 0.225 Insecticide Plus Fertilizer (0.25 lbs. of imidacloprid, 0.2 lbs. bifenthrin) per acre 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). May be applied at up to 400 lbs. of ALLECTUS 0.225 Insecticide Plus Fertilizer (0.5 lbs. of imidacloprid, 0.4 lbs. bifenthrin) per application on non-residential use sites (i.e., around institutional, public, commercial or industrial buildings; parks; recreational areas or athletic fields).

Do not apply 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 treated turf must be in such a condition that the rainfall or irrigation will penetrate vertically in the soil profile. Total amount applied cannot exceed 400 lbs. (0.5 lbs. of imidacloprid, 0.4 lbs. of bifenthrin) per acre per year.

Not for use in commercial greenhouses or on grass grown for seed or on golf courses and sod farms. For use on plants intended for aesthetic purposes or climatic modification and being grown in interior landscapes, ornamental gardens or parks, or on lawns and grounds.

# 0-0-8

## GUARANTEED ANALYSIS

<b>SOLUBLE POTASH (K<sub>2</sub>O)</b> .....	8.00%
<b>IRON (Fe)</b> .....	4.00%
0.04% Water Soluble Iron (Fe)	
<b>MANGANESE (Mn)</b> .....	2.00%
0.02% Water Soluble Manganese	

DERIVED FROM: Muriate of Potash, Iron Sucrate, Manganese Sucrate.

**FLORIDA APPLICATIONS:** For use on athletic turf in FL, we recommend you follow SL191, "Recommendations for N, P, K & Mg for Golf Course and Athletic Field Fertilization Based on Mehlich I Extractant", available on the internet at <http://edis.ifas.ufl.edu/SS404> or "Best Management Practices for the Enhancement of Environmental Quality on Florida Golf Courses" at <http://www.flaes.org/pdf/gfbmp07.pdf>.  
**FLORIDA APPLICATIONS:** For commercial application to urban turf or lawns in FL, we recommend you follow the Best Management Practices for Protection of Water Resources in Florida, June 2002, Florida Green Industries, available on the internet at [http://www.flaes.org/pdf/BMP\\_Book\\_final.pdf](http://www.flaes.org/pdf/BMP_Book_final.pdf)

**APPLICATION EQUIPMENT**

Apply ALLECTUS 0.225 Insecticide Plus Fertilizer uniformly over the area being treated with normally used granular application equipment. Both drop-type and rotary-type spreaders may be used to apply ALLECTUS 0.225 Insecticide Plus Fertilizer. Avoid the use of spreaders that apply the material in narrow, 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.

**RESISTANCE MANAGEMENT**

Some insects are known to develop resistance to insecticides after repeated use. As with any insecticide, the use of this product should conform to resistance management strategies established for the use area. ALLECTUS 0.225 INSECTICIDE PLUS FERTILIZER contains Group 3 and 4A insecticides. Insect biotypes with acquired or inherent resistance to Group 3 and 4A insecticides may eventually dominate the insect population if Group 3 and 4A insecticides are used repeatedly as the predominant method of control for targeted species.

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

**Pesticide Storage:** Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food and feed. Store in original container and out of the reach of children, preferably in a locked storage area. Handle and open container in a manner as to prevent spillage. If material is spilled for any reason or cause, carefully contain any spilled material to prevent non-target contamination. Do not walk through spilled material and dispose of as directed for pesticides below.

Refer to Precautionary Statements on label for hazards associated with the handling of this material. In spill or leak incidents, keep unauthorized people away. You may contact the Bayer Environmental Science Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Bayer Environmental Science Emergency Response Telephone No. is 800-334-7577 or contact Chemtrec at 800-424-9300.

**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. Offer for recycling, if available. Completely empty bag into application equipment. Dispose of empty bag in a sanitary landfill, by incineration, or if allowed by the state and local authorities, by burning. If burned, stay out of smoke.

**APPLICATION DOSAGE INFORMATION**

(Be sure to read "APPLICATION EQUIPMENT" Section of this label)

SITE	PEST	DOSAGE ALLECTUS 0.225 Insecticide Plus Fertilizer
Turf Grasses	<b>Larvae of subsurface feeders:</b> Asiatic garden beetle Black turfgrass ataenius Black vine weevil European chafer European crane fly Green June beetle Japanese beetle Northern masked chafer Oriental beetle <i>Phyllophaga</i> spp. Southern masked chafer	160 to 200 lbs. per acre (3.7 to 4.6 lbs. per 1000 sq. ft.)
	<b>Adults and/or larvae of subsurface and surface feeding pests:</b> Centipedes Fleas Millipedes Ticks Imported fire ants Mole crickets Pillbugs Sowbugs	120 to 200 lbs. per acre (2.8 to 4.6 lbs. per 1000 sq ft) or for heavy infestations, a single annual application of 320 to 400 lbs. per acre (7.3 to 9.2 lbs. per 1000 sq. ft.) to non-residential turf
	<b>Adults and/or larvae of surface feeders:</b> Annual bluegrass weevil, Billbugs, Chinch bugs Frit fly, Leafhoppers, Mealybugs, Nuisance ants	120 to 200 lbs. per acre (2.8 to 4.6 lbs. per 1000 sq. ft.)
	<b>Larvae of surface feeders:</b> Armyworm, Cutworm, Sod webworms	80 to 200 lbs. per acre (1.8 to 4.6 lbs. per 1000 sq. ft.)

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

**RESTRICTIONS:** For optimum control, irrigate if rainfall does not occur within 24 hours after application to move the active ingredient through the thatch. Do not apply more than 400 lb of product (0.5 lbs. of imidacloprid active ingredient, 0.4 lb bifenthrin) per acre per year. Do not apply more than 200 lbs. of product (0.25 lbs. imidacloprid, 0.2 lbs. bifenthrin) per acre per application to residential turf. Avoid mowing turf or lawn area until after irrigation or rainfall has occurred so that uniformity of application will not be affected.

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, make a single repeat application of ALLECTUS 0.225 Insecticide Plus Fertilizer if there are signs of renewed insect activity, but not sooner than two weeks after the first application.

**Annual Bluegrass Weevil (Lissorhynchus maculicollis) adults:** Time applications to control adult weevils as they leave their over-wintering sites and move into grass areas. This movement generally begins when Forsythia is in full bloom and concludes when flowering dogwood (Cornus florida) is in full bloom. Consult your State Cooperative Extension Service for more specific information regarding application timing.

**Annual Bluegrass Weevil (Lissorhynchus maculicollis) larvae:** For best results, apply at the first sign of wilting of bluegrass. For the first generation, this wilting often occurs after full bloom of flowering dogwood (Cornus florida).

Armyworms, Cutworms and Sod Webworms: If the grass area is being maintained at a mowing height of greater than 1 inch, then higher application rates (up to 4.6 lb per 1000 sq ft) may be required during periods of high pest pressure.

**Billbug adults:** For best results, 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.

**Chinch Bugs:** Chinch bugs infest the base of grass plants and are often found in the thatch layer. Irrigation of the grass area before treatment will optimize the penetration of the insecticide to the area where the chinch bugs are located. Chinch bugs can be one of the most difficult pests to control in grasses and the higher application rates (up to 4.6 lb per 1000 sq ft) may be required to control populations that contain both nymphs and adults during the middle of the summer.

**Imported Fire ants:** Apply as a broadcast treatment in non-residential turf areas up to 9.2 lb. per 1000 sq ft. For mound treatment, apply ¼ cup of ALLECTUS 0.225 Insecticide Plus Fertilizer per mound and then drench the mound with 1 to 2 gallons of water. Treat mounds with sufficient force to break their apex and allow the insecticide to flow into the ant tunnels.

**Mole cricket adults:** Achieving acceptable control of adult mole crickets is difficult because grass areas are subject to continuous invasion during the early spring by this large active stage. For application when both adults and/or large nymphs are present and actively tunneling, irrigate prior to application if soil is dry and apply 4.6 lb per 1000 sq ft. For best results, water-in applications with up to 0.5 inches of water immediately after treatment. Treat grass areas that receive pressure from adult mole crickets within one month of peak egg hatch to ensure optimum control of subsequent nymph populations (see below). For heavily infested mole cricket areas, or in areas with a history of mole cricket infestation, use a single seasonal application rate of 320 to 400 lb per acre (7.3-9.2 lb per 1000 sq ft) to non-residential turf.

**Mole Cricket nymphs:** For best results, treat grass areas that received adult mole cricket pressure in the spring within one month of peak egg hatch. Optimal control is achieved at this time because young nymphs are more susceptible to insecticides. Control of larger, more damaging nymphs later in the year will require higher application rates to maintain acceptable control. For maximum effectiveness, irrigate prior to application if soil is dry, apply as a broadcast treatment at 4.6lb per 1000 sq ft. For best results, water-in applications with up to 0.5 inches of water after treatment. For heavily infested mole cricket areas, or in areas with a history of mole cricket infestation, use a single seasonal application rate of 320 to 400 lb per acre (7.3 - 9.2 lb per 1000 sq ft) to non-residential turf.

**Pillbugs and sowbugs:** For heavy infestations apply 400 lbs per acre (9.2 lbs per 1000 sq. ft.) of ALLECTUS 0.225 Insecticide Plus Fertilizer to non-residential turf.

**Ticks (including ticks that may transmit Lyme disease and Rocky Mountain spotted fever):** Treat the entire area where exposure to ticks may occur. Ticks may be reintroduced from surrounding areas on host animals. Retreatment may be necessary to achieve and/or maintain control during periods of high pest pressure. Repeat application is necessary only if there are signs of renewed activity. Limit repeat application to no more than once per seven days. Deer ticks (Ixodes spp.) have a complicated life cycle that ranges over a two year period and involves four life stages. Make applications in the late fall and/or early spring to control adult ticks that are usually located on brush or grass above the soil surface and in mid to late spring to control larvae and nymphs that reside in the soil and leaf litter. American dog ticks (Dermacentor variabilis) 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. Make applications as necessary from mid-spring to early fall to control American dog tick larvae, nymphs and adults.

**Spreader settings for ALLECTUS 0.225 Insecticide Plus Fertilizer**

The following chart can be used as a guide in establishing an accurate rate of ALLECTUS 0.225 Insecticide Plus Fertilizer. Application rates will vary depending upon speed, equipment wear and condition of spreader. Carefully calibrate application equipment prior to commercial use of this product.

Spreader	SUGGESTED SPREADER SETTINGS (Recommended Rates in lb per 1,000 sq ft)	
	80LB/A	200LB/A
LESCO – All Rotary Models	#12	#16
Permagreen	12	#16
Cyclone®/ Spyker® /Z-Spray	3½	4½
Vicon (LESCO Pendulum)	20	30
Lely®	3½ II	4½ II

**RESTRICTIONS**

- Avoid runoff or puddling of irrigation water following application. Avoid application of ALLECTUS 0.225 Insecticide Plus Fertilizer to areas which are waterlogged or saturated, which will not allow penetration into the root zone of the plant. Do not apply more than 400 lb (0.5 lb of imidacloprid and 0.4 lb of bifenthrin) per acre per year.
- Treated areas may be replanted with any crop specified on an imidacloprid and a bifenthrin label, or with any crop for which a tolerance exists for the two active ingredients.
- For crops not listed on any imidacloprid and a bifenthrin label, or for crops for which no tolerances for the active ingredients have been established, a 12-month plant-back interval must be observed.
- Do not apply by air.
- Not for use in nurseries or commercial greenhouses, golf courses, and sod farms.
- 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 drains, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.

**IMPORTANT: READ BEFORE USE**

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following conditions, disclaimer of warranties and limitations of liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, plant injury or other property damage, or other unintended consequences may result because of factors beyond the control of LESCO, Inc. such as weather conditions, presence of other materials or the manner of use or application. All such risks shall be assumed by the user or buyer.

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Information concerning the raw materials composing this product can be obtained by writing to: LESCO, Inc., Attn: RA Dept, 1385 East 36th Street, Cleveland, Ohio 44114-4114, referring to the item number found on this bag. Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfo.org/metals.htm>

An extended Spreader Settings list can be found at [www.lesco.com](http://www.lesco.com).

Allectus is a registered trademark of Bayer. Poly Plus is a registered trademark of LESCO, Inc. Cyclone and Spyker are registered trademarks of Spyker Spreaders, LLC. Lely is a registered trademark of C Van Der Lely N.V. Vicon is a registered trademark of Ransomes-Cushman-Ryan. SCOTTS is a registered trademark of The SCOTT Company.

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**Net Weight: 50 lb (22.7 kg) SGN 240**  
**EPA REG. NO. 432-1417-10404**  
**EPA EST.NO. 961-PA-01 (L), 961-IL-01 (D), 8378-IN-1 (K), 9404-FL-1 (C), 59144-GA-1 (A), 32802-MO-1 (B), 61842-CA-1 (T), 37351-CO-1 (E), 82757-OH-001 (M), 82757-FL-001 (S), 82757-MA-002 (H).**

First letter of lot code indicates manufacturing site.

**F1560**  
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Cleveland, OH 44114-4114

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