



Alectus® 0.225 G PLUS TURF FERTILIZER INSECTICIDE

Annual Bluegrass Weevil (*Listronotus maculicollis*) adults: 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 (*Cornus florida*) is in full bloom. Consult your State Cooperative Extension Service for more specific information regarding application timing.

Annual Bluegrass Weevil (*Listronotus 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 ½ cup of TCS GROWSTAR ALECTUS® 0.225 G Plus Turf Fertilizer Insecticide 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 lbs 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 4.6 lb per 1000 sq ft. For best results, water-in areas 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.

Pilbugs and sowbugs: For heavy infestations apply 400 lbs per acre (9.2 lbs per 1000 sq ft) of TCS GROWSTAR ALECTUS® 0.225 G Plus Turf Fertilizer Insecticide 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. Re-treatment 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 one 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. In such cases commonly congregated 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 TCS GrowStar ALECTUS 0.225 G Plus Turf Fertilizer Insecticide

The following chart can be used as a guide in establishing an accurate rate of TCS GROWSTAR ALECTUS® 0.225 G Plus Turf Fertilizer Insecticide. 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	Speed (mph)	SETTINGS	
		80 lb/A	200 lb/A
LESSCO Broadcast	3	#12	#16
Scott's ProTurf R-6A	3	1	K
Cyclone Wey	3	3 ½	4 ½
Lely	4.5	3 ½ II	4 ¾ II
Vicon Model 402	4.5	18	30

RESTRICTIONS

- Avoid runoff or puddling of irrigation water following application. Avoid application of TCS GROWSTAR ALECTUS® 0.225 G Plus Turf Fertilizer Insecticide 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 tolerance for the active ingredients have been established, a 12-month plant-back interval must be observed.
- Do not apply by air.
- Do not use in nurseries or commercial greenhouses.
- 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, because of manner of use and other factors beyond Distributor control it is impossible for Distributor to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

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TCS GrowStar is a registered trademark of Turf Care Supply Corp.

Net Weight: 50 lbs. (22.67 kg)

EPA REG. NO. 432-1417-82757

EPA EST. NO. 82757-OH-001 Lot # Begins with (MF)
EPA EST. NO. 82757-FL-001 Lot # Begins with (S)
EPA EST. NO. 82757-MA-002 Lot # Begins with (H)

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