

ProForce[®]
Nexar 200SC
 Insecticide

Specialist control of Caterpillar Pests and Scarabs in Turfgrass

Lawn Armyworm



Product Overview

ProForce Nexar 200SC Insecticide is a broad-spectrum residual insecticide used in turfgrass management for the control of Caterpillar pests including Black Cutworm, Lawn Armyworm and Sod Webworm, Scarab species including African Black Beetle and Argentinian Scarabs and weevil species including La Plata Weevil (Billbug) and Argentine Stem Weevil.

ProForce Nexar 200SC Insecticide contains 200 g/L Chlorantraniliprole, formulated as a suspension concentrate (SC) for ease of use and reliable application.

ProForce Nexar 200SC Insecticide is a residual insecticide providing up to 3-6 months turf protection depending upon pest species.

Key Features

- > **Rapid feeding cessation** – Target insects stop feeding shortly after exposure, providing fast protection of turf even though mortality may occur later.
- > **Long residual control** – Strong binding to plant tissues and stability in soil and thatch deliver extended control from a single application.
- > **Excellent preventive and early curative activity** – Highly effective when applied before egg hatch or to early larval stages, particularly for scarabs and caterpillars.
- > **Flexible application in turf systems** – Foliar or Soil Application.
- > **Reduced turf stress and damage** – By stopping early feeding damage to root and leaf is limited, supporting turf recovery and quality.
- > **Strong fit in resistance management programs** – Newer mode of action allows rotation with other IRAC groups.
- > **Favourable environmental profile** – Low volatility and low use rates reduce off-target movement and environmental exposure.



Nexar 200SC Insecticide – Use Rates & Label Recommendations

SITUATION	PEST	RATE/ha	CRITICAL COMMENTS
Golf courses, Lawns including commercial and residential lawn areas, Sports grounds, Other sport and recreational turfgrass areas	Beetle larvae including African Black Beetle (<i>Heteronychus arator</i>)	750 mL to 1.5 L	Apply before or at peak egg hatch for maximum control (typically mid December). Use the higher application rates for later season applications when less sensitive mid instar grubs are present at the time of application or in cases of high pest pressure.
	Argentinian Scarab (<i>Cyclocephala signaticollis</i>)		Apply before or at peak egg hatch for maximum control (typically mid December). Use the higher application rates for later season applications when less sensitive mid instar grubs are present at the time of application or in cases of high pest pressure.
	Argentine Stem Weevil larvae (<i>Listronotus bonariensis</i>), Billbug (La Plata Weevil) larvae (<i>Sphenophorus brunnipennis</i>)		Apply early season (mid September) applications when overwintered adults are first observed, to prevent damage and population build up. Early application is essential to prevent grass damage due to feeding. Use the higher application rates when extended residual performance is required or for later season applications (mid December onwards) or in cases of high pest pressure.
	Caterpillars including Black Cutworm (<i>Agrotis ipsilon</i>), Lawn Armyworm (<i>Spodoptera mauritia</i>), Sod Webworm (<i>Herpetogramma licarsisalis</i>)	750 mL	To ensure optimum control, delay watering (irrigation) or mowing for 24 hours after application.

Mode of Action

GROUP 28 INSECTICIDE

Chlorantraniliprole is an anthranilic diamide insecticide (IRAC Group 28) that acts by activating ryanodine receptors in insect muscle cells. This activation causes the uncontrolled release of calcium ions from internal muscle stores, resulting in impaired muscle contraction and relaxation.

Affected insects rapidly cease feeding, followed by progressive paralysis, lethargy, and death. Mortality may occur several days after exposure, but feeding damage is prevented shortly after treatment.

Chlorantraniliprole is active primarily through ingestion, with additional activity via contact. The compound exhibits high selectivity for insect ryanodine receptors, providing effective control of target turfgrass pests with low toxicity to mammals and non-target organisms when used according to label directions.

How to get the best results from ProForce Nexar 200SC Insecticide

1. Ensure Correct Pest Timing

- o Use preventively or at early larval stages for best performance.
- o For scarab larvae, target applications prior to or shortly after egg hatch.
- o For caterpillars, apply at early instar stages before significant feeding damage occurs.

2. Effective Soil Placement

- o For root-feeding pests, water in after application (typically 5-10 mm irrigation or rainfall) to move the active ingredient into the root zone.
- o Avoid excessive irrigation that may move product below the target zone.

3. Maintain Uniform Coverage

- o Apply with properly calibrated equipment to ensure even distribution across the turf surface.
- o Use sufficient carrier volume to achieve consistent coverage, especially in dense turf canopies.

4. Manage Thatch and Soil Conditions

- o Excessive thatch can reduce soil penetration.
- o Where thatch is present, aeration or light verticutting prior to application can improve movement into the root zone.