



Questions & Answers Sheet

Product Overview

Q: What is Curatol 120SC Insecticide?

A: ProForce Curatol 120SC is a specialist turf insecticide containing *spinosad* (120 g/L), designed for effective control of Argentine Stem Weevil (ASW) adults and larvae, as well as other key turf insect pests. It is registered for use on turfgrass surfaces such as bentgrass golf greens, fairways, sports fields, and lawns.

Mode of Action

Q: How does spinosad work?

A: Spinosad acts on the insect nervous system by activating nicotinic acetylcholine receptors and GABA receptors, leading to overexcitation, paralysis, and death. It provides rapid knockdown and extended residual control while maintaining an excellent environmental and safety profile.

Q: Is Curatol systemic or contact?

A: Curatol has primarily contact and ingestion activity. It is absorbed through the insect cuticle or ingested while feeding, but it is not systemic within the plant. Curatol exhibits translaminar properties, enhancing its rainfast properties and ingestion potential.

Q: How quickly does Curatol act?

A: Insects typically stop feeding shortly after exposure, with mortality visible within 24–48 hours.

Target Pests & Spectrum

Q: Which pests does Curatol control in turf?

A:

- Argentine Stem Weevil (adults and larvae)
- Cutworms (surface caterpillars) - known activity in other countries, but not currently registered in Australia.

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- Lawn Armyworm - known activity in other countries, but not currently registered in Australia.
- Other Lepidopteran larvae are also susceptible to spinosad

Q: Is it effective against adult weevils or only larvae?

A: Curatol provides effective control of both adults and larvae, making it an excellent choice for an integrated ASW management programs.

Application & Timing

Q: When should Curatol be applied?

A: Apply at the **first signs of pest activity or damage**. For ASW, timing is critical — target early adult activity and first larval emergence to prevent turf damage.

Q: What is the recommended rate of use?

A: Apply **4.0 L/ha** in sufficient water to ensure thorough coverage. Follow with light irrigation if needed to move product into the thatch layer.

Q: How long after application should irrigation occur?

A: A light irrigation (2–4 mm) shortly after spraying improves movement into the thatch zone, enhancing control of larvae. Avoid heavy irrigation immediately after treatment.

Q: Can Curatol be used in rotation with other insecticides?

A: Yes. For resistance management, rotate with products from different chemical groups such as **indoxacarb (Group 22A)** or **chlorantraniliprole (Group 28)**.

Compatibility & Resistance Management

Q: What IRAC mode of action group does spinosad belong to?

A: Spinosad is a **Group 5** insecticide (spinosyns).

Q: Why is rotation important when using Curatol?

A: Repeated use of the same mode of action can lead to resistance. Rotating between different IRAC groups reduces selection pressure and maintains product longevity.

Q: Is Curatol compatible with other turf products?

A: Curatol is generally compatible with most turf fungicides, fertilisers, and wetting agents, but always conduct a **jar test** before tank-mixing.

Environmental & Safety Profile

Q: What is Curatol's safety to beneficial insects?

A: Spinosad has a **favourable environmental profile** and is relatively safe to many beneficial species when used as directed. It is derived from a naturally occurring soil bacterium (*Saccharopolyspora spinosa*).

Q: Is Curatol safe for turf and soil microbes?

A: Yes, Curatol is safe for turfgrass and soil microbial populations when applied at label rates.

Q: What is the re-entry period after spraying?

A: Do not re-enter treated areas until the spray has dried, or wear appropriate PPE if early entry is necessary.

Performance & Practical Use

Q: How long does Curatol provide protection?

A: Typically provides **2–4 weeks** residual control, depending on pest pressure, environmental conditions, and turf management practices.

Q: Can Curatol be used preventatively?

A: Yes, Curatol is suitable for both **preventative** and **curative** applications. Preventative use is ideal in known ASW risk periods.

Q: How does Curatol compare to other turf insecticides?

A: Curatol offers:

- Dual adult and larval control
- Possesses Translaminar Properties.
- Rapid feeding cessation
- Biological origin (spinosyn-based)
- Favourable environmental profile
- Excellent turf safety

Additional Technical Points

Active ingredient: Spinosad 120 g/L

Formulation type: Suspension concentrate (SC)

Chemical group: Group 5 – Spinosyns

Signal heading: Non-Scheduled.

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Packaging: 5 L

Registered use: Bentgrass Turf situations including golf courses, sportsfields, and lawns.