

Fast results, long-term protection

SilvaShield® Injectable Tree Insecticide is a novel formulation of imidacloprid developed specifically for direct injection into trees. The unique formulation enhances systemic uptake and distribution of imidacloprid in the tree allowing much lower rates of active ingredient compared to alternative application methods such as soil injection. A single treatment can provide extended protection against various insect pests with minimal impact on non-target organisms.

Key Features

+ Formulated specifically for injection into trees
+ Provides long term protection of trees against insect damage
+ The trunk injection application method provides greater flexibility in terms of site conditions than soil injection (eg. trees surrounded by pavements or roadsides)
+ Minimal off-target impact (active ingredient is placed right into the tree where it is needed)
+ Lower levels of chemical used compared to soil injection
+ No additional water required for treatment
+ Provides faster results than soil injection
+ Depending on the injection system used, trunk injection is less labour-intensive than soil injection
+ Compatible with many types of application equipment

Target Pests

Thaumastocoris bugs and Leaf-blister sawfly larvae (eucalypt trees), Fig leaf beetle (fig trees), Elm leaf beetle (elm trees), Flatid (pandanus), Sycam

Areas of use

Various tree species in gardens, parks, forests, picnic grounds, streetscapes and other areas where protection of trees is warranted.

Application rate and delivery

+ 3-5 mL product / 10 cm tree diameter at breast height (dbh), applied using dedicated tree injection equipment

General comments on application

› SilvaShield is intended to be applied undiluted (do not attempt to dilute product with water)

› Space injection points evenly around the circumference of the tree

› Do not use on fruit or nut trees intended for food use

› Do not use on trees likely to be used by commercial beehives

› In all situations, application post-flowering is recommended

Comparison of trunk injection vs soil injection

› To compare the amount of active ingredient applied between soil injection with a suspension concentrate and trunk injection with SilvaShield

› For a 50 cm diameter tree, at label rates, 28 g of active ingredient would be required via soil injection whereas only 3-5 g of active ingredient would be required via trunk injection

SILVASHIELD®



FAQs

› How easy is it to inject trees?

Appropriate injection equipment is necessary in order to efficiently and effectively use this product. A certain level of expertise is also required to ensure that injection is carried out properly. It is recommended that trained arborists or otherwise experienced or qualified persons carry out the treatment with this product.

› How long does it take to inject a large tree?

Depending on the application equipment used and the level of expertise of the person carrying out the treatment a large tree (eg. 100 cm in diameter) can take as little as 10 minutes to treat.

› Does injection damage the tree?

The chemical itself has been shown not to cause significant damage to a wide range of tree species when injected directly using a number of different injector systems. Trials have shown that compartmentalisation of the injection points occurs after application and there is no evidence to suggest that direct trunk injection causes any long-term structural or physiological damage to the tree.

› How does trunk injection protect the rest of the tree?

The active ingredient in SilvaShield is imidacloprid which is taken up systemically through the tree's vascular system and distributed to areas such as the leaves.

› How long does treatment with SilvaShield protect the tree ?

Trials with eucalypts and thaumastocorids have shown that a single treatment of SilvaShield can control insect numbers for a period of 3 years. The length of protection conferred against other pests in other tree species has not been determined but there is evidence from other applications to suggest that extended protection could be expected.

Product Profile

Active Ingredient
200 g/L Imidacloprid

Chemical group
Chloronicotinyl

Formulation type
Soluble Liquid

Pack size
1 L

Personal protective equipment required: Wear cotton overalls buttoned to the neck and wrist, a washable hat, elbow-length PVC gloves and goggle.

Regulatory information
APVMA Product Number: 62475
Poisons Schedule: 6

Impact on the Environment
All pesticides are regulated under the Agricultural and Veterinary Chemicals Code Act 1994 to ensure that they do not pose an unacceptable risk to human health and the environment.

For more information regarding the pesticide regulatory process please visit the Australian Pesticides and Veterinary Medicines Authority website at apvma.gov.au



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