POISON

KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

SilvaShield® Injectable
Tree Insecticide

ACTIVE CONSTITUENT	**200**	**g/L IMIDACLOPRID**
SOLVENT	**688.8**	**g/L DIMETHYL SULFOXIDE**

GROUP 4A INSECTICIDE

A soluble liquid formulation for use via trunk or stem injection for the control of a range of insect pests in trees as per the Directions for Use

Contents: 1 L

DIRECTIONS FOR USE
RESTRAINTS
DO NOT use on fruit or nut trees intended for food use
DO NOT use on trees likely to be used by commercial bee hives

SITUATION	PEST	RATE	CRITICAL COMMENTS
Eucalypt trees	Thaumastocoris bugs	3-5 mL product/ 10 cm dbh (diameter at breast height)	Use dedicated tree injection equipment to apply the chemical. Space injection holes approximately 30cm apart around the circumference of the tree. Apply 3 - 5 mL of chemical in each hole and seal the hole. DO NOT reapply in the same holes. Spacing of injection holes should be vertically and horizontally staggered so that they are not aligned with other holes.
	Leaf-blister sawfly larvae		
Fig trees	Fig leaf beetle		
London plane trees	Sycamore lace bug (*Corythucha ciliata)*		
Elm trees	Elm leaf beetle (*Pyrrhalta luteola*)	5 mL product/10cm dbh	Use dedicated tree injection equipment to apply the chemical. Space injection holes approximately 15 cm apart around the circumference of the tree. Spacing of injection holes should be vertically and horizontally staggered so that they are not aligned with other holes. Avoid application beneath areas of rot, wounding or other areas where vertical systemic uptake may be blocked within the tree. Where possible inject directly in line beneath branches or limbs. Seal injection holes after application. DO NOT re-apply in the same holes. Patchy results may occur if injection holes are not well placed.
Pandanus	Flatid	3.5 mL per hole	Drill one hole per limb (or trunk in single trunked trees) using dedicated tree injection equipment. Apply 3.5 mL of chemical in each hole and seal the hole. DO NOT re-apply in the same holes. Uptake and therefore control of the pest in heavily infested heads already showing severe damage, will be slow and may be incomplete.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION

GENERAL INSTRUCTIONS

No dilution is required; this product is intended to be applied undiluted directly into the trunk or branches of trees in order to provide systemic control of insect pests.

SilvaShield Injectable Tree Insecticide can be used as directed on ornamental trees in residential areas, business and office complexes, shopping complexes, multi-family residential complexes, golf courses, airports, cemeteries, parks, playgrounds, and athletic fields. SilvaShield also can be used in commercial forestry production, nurseries, greenhouses, and in state, federal, county and local recreational forests.

The active ingredient in SilvaShield Injectable Tree Insecticide has sufficient residual activity so that applications can be made preceding the attack of the trees by target pests. SilvaShield Injectable also controls existing infestations of most labelled pests. If the level of infestation is severe, the high label rate for the targeted pest is recommended.

Systemic activity occurs only after the active ingredient is translocated upwards in the tree. In some cases, translocation can take 10 days or longer, depending on the transpiration rate of the treated plant. The need for an application can be based on historical monitoring of the site, previous records or experiences, current season adult trapping or other methods. For best results (i.e., to ensure uptake), application should be made when the tree is actively transpiring. Less than satisfactory results, including slow or reduced impact on beetles and larvae, may occur if trees are suffering from lack of moisture, thereby reducing translocation of the active ingredient.

For best results, dedicated injection equipment is recommended.

Application Equipment

SilvaShield Injectable Tree Insecticide can be applied with a variety of trunk injection devices. To minimise the possibility of corrosion of equipment, use chemically-resistant components or ensure thorough cleaning after use. For all injector systems, read carefully and follow all manufacturers' directions for use.

Drilling the hole

With most injector systems, it is necessary to pre-drill holes prior to insertion of the applicator device. Holes should be drilled deep enough to permit transport of SilvaShield upwards in the vascular tissue. Take note of drill hole spacing in the critical comments of the directions for use.

To determine the number of injection holes needed, measure the tree circumference at 1.3m above the ground. Divide the circumference (as measured in centimetres) by the recommended hole spacing to determine the number of holes needed. Initial injector sites should be in the active sapwood. If a single hole cannot accept its full dose, the dose may be divided among the other initial injection holes. Spacing of injection holes should be vertically and horizontally staggered so that they are not aligned with other holes.

Compatibility

No information is available that indicates physical compatibility with other products. Mixing SilvaShield Injectable with other products cannot therefore be recommended.

INSECTICIDE RESISTANCE WARNING

GROUP	4A	INSECTICIDE

For insecticide resistance management SilvaShield is a Group 4A insecticide. Some naturally occurring insect biotypes resistant to SilvaShield and other Group 4A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if SilvaShield or other Group 4A insecticides are used repeatedly. The effectiveness of SilvaShield on resistant individuals could be significantly reduced. Since the occurrence of resistant individuals is difficult to detect prior to use, 2022 Environmental Science AU Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant insects. SilvaShield Insecticide may be subject to specific resistance management strategies. For further information contact your local supplier or 2022 Environmental Science AU Pty Ltd

representative.

PROTECTION OF LIVESTOCK

This product is highly toxic to bees exposed to direct treatment or residues on flowering trees and shrubs. DO NOT use on trees which are likely to be used by commercial beehives.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, rivers or waterways with the chemical or used containers. This product is highly toxic to bees exposed to direct treatment or residues on flowering trees and shrubs. To minimise risk, ensure injection occurs after flowering in species that are pollinated by bees.

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Triple-rinse containers before disposal. Pour rinseate onto soil around base of treated tree away from edible plants. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and deliver empty packaging to an approved waste management facility. DO NOT burn empty containers or product. DO NOT re-use empty containers for any other purpose.

SAFETY DIRECTIONS

Harmful if swallowed. May irritate the eyes and skin. Avoid contact with eyes and skin. When preparing product for use, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length chemical resistant gloves. Wash hands after use. After each day's use, wash gloves and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126, New Zealand 0800 764 766. If swallowed, do not induce vomiting. If skin contact occurs, remove contaminated clothing and wash skin thoroughly. If in eyes, wash out immediately with water.

SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet which is available at www.au.envu.com.

Exclusion of Liability

This product must be used strictly as directed, and in accordance with all instructions appearing on the label and in other reference material. So far as it is lawfully able to do so, 2022 Environmental Science AU Pty Ltd accepts no liability or responsibility for loss or damage arising from failure to follow such directions and instructions.

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BATCH NO
DATE OF MANUFACTURE

Causes eye irritation.
Wash hands thoroughly after handling. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.