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

**Apparent** 

## Picador 350 SC

**INSECTICIDE**

ACTIVE CONSTITUENT: 350 g/L IMIDACLOPRID

**GROUP 4A INSECTICIDE**

A soil applied treatment for the control of Greyback and Childers canegrub in sugarcane and Silverleaf whitefly in various vegetable crops as specified in the Directions for Use table.

**IMPORTANT: Read this booklet before use.**

AP 4A Approval No: 69499/104010

**APPARENT PTY LTD A.C.N. 143 724 136**  
Suite G.08 | 762 Toorak Road, Glen Iris VIC 3146 Australia  
M 0411 227 338 | E [enquiries@apparentag.com.au](mailto:enquiries@apparentag.com.au) [www.apparentag.com.au](http://www.apparentag.com.au)

**DIRECTIONS FOR USE****RESTRAINTS:**

**DO NOT** use on crops produced hydroponically or in glasshouses and other covered situations.

**DO NOT** apply Apparent Picador 350 SC Insecticide or any other Group **4A** Insecticide as a foliar spray after soil application of Apparent Picador 350 SC Insecticide in that crop.

**DO NOT** apply more than one application of Apparent Picador 350 SC Insecticide per crop for vegetables, per ratoon crop for sugarcane.

<b>CROP</b>	<b>PEST</b>	<b>RATE</b>
Sugarcane (ratoon cane only)	Greyback canegrub	16 - 22 mL per 100 metres of cane row (equivalent to 1.05 - 1.44 L/ha for single row cane with 1.52 m spacing between rows)
	Childers canegrub	11 - 16 mL per 100 metres of cane row (equivalent to 0.72 - 1.05 L/ha for single row cane with 1.52 m spacing between rows)
Capsicum, Cucurbits Eggplant, Sweet Potato, Tomatoes	Silverleaf whitefly, including type B	14 mL/100 metres of row
		14 mL/100 metres of row (mix with water using at least 2 L of spray mixture per 100 m of row)

**CRITICAL COMMENTS**

Apply from September to November to fields which are at high risk of Greyback grub damage. In areas where early flights of beetles occur, application should be early within this period. Late applications where large 3rd instar larvae dominate the grub population will not be as effective. Application should be made while stools are small enough to avoid excessive damage. Use the high rate when high grub populations are expected, e.g. an average greater than 4 grubs per stool. Apply only as a subsurface soil application behind coulters (refer to **Application** directions under **GENERAL INSTRUCTIONS**). Soil should have moisture at coulters depth at the time of application or should receive at least 15 mm of rainfall or irrigation within 1 week. **DO NOT** leave Apparent Picador 350 SC Insecticide exposed to sunlight. After application ensure the Apparent Picador 350 SC Insecticide treated band is covered by at least 100 mm of soil and that coulters slits are filled in completely. **DO NOT** apply more than once per season.

Apply from September to November. Check for the presence of grubs from September onwards. Apply Apparent Picador 350 SC Insecticide when grub numbers reach an economic threshold (about 3 grubs per stool). Use the high rate when grub populations are high, e.g. an average greater than 5 grubs per stool or if application is late (damage already visible). Apply only as a subsurface soil application behind coulters (refer to **Application** directions under **GENERAL INSTRUCTIONS**). Soil should have moisture at coulters depth at the time of application or should receive at least 15 mm of rainfall or irrigation within 1 week. **DO NOT** leave Apparent Picador 350 SC Insecticide exposed to sunlight. After application ensure the Apparent Picador 350 SC Insecticide treated band is covered by at least 100 mm of soil and that coulters slits are filled in completely. **DO NOT** apply more than once per season.

**Sub-surface trickle irrigation injection:**

Apply once only 5 – 7 days after planting out (or 5 – 7 days from seed emergence if planted from seed). Begin injection only after water has reached the furthest drip points and soil is partially wetted up. After Apparent Picador 350 SC Insecticide injection is completed, continue irrigation only until lines are flushed, not longer than 1 hour. **DO NOT** apply Apparent Picador 350 SC Insecticide using surface trickle irrigation or any other type of above ground irrigation system. Subsequent irrigations should occur only when soil moisture measurements indicate the need for addition of water. **DO NOT** over irrigate or cause runoff. In situations where root development in the crop is slow, evidence of control may be delayed.

**Furrow spray pre-plant:**

Apply to open furrow not earlier than 5 days prior to planting as a narrow band of spray centered under the plant row. **DO NOT** leave Apparent Picador 350 SC Insecticide exposed to sunlight. Sprayed soil should be covered immediately. After final shaping of the planting bed, the treated layer of soil should be approximately 100 mm below the soil surface. At planting, steps should be taken to ensure workers **DO NOT** contact treated soil.

CROP	PEST	RATE
Capsicum, Eggplant, Tomatoes	Silverleaf whitefly, including type B	14 mL/100 metres of row (mix with sufficient water to allow a constant volume of at least 50 mL of drench mixture per plant)

CRITICAL COMMENTS
<b>Plant hole drench:</b> <b>DO NOT</b> apply Apparent Picador 350 SC Insecticide by this method where plant spacing along the row exceeds 60 cm. Apply the selected volume of drench mixture in the planting hole at planting or within 2 days after planting. Steps should be taken to ensure workers <b>DO NOT</b> contact treated soil or drench mixture.

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

#### WITHHOLDING PERIODS

##### *Harvest*

**NOT REQUIRED WHEN USED AS DIRECTED.**

##### *Grazing*

**SUGARCANE – DO NOT GRAZE OR CUT FOR STOCKFEED FOR 21 WEEKS AFTER APPLICATION.**

#### GENERAL INSTRUCTIONS

##### INSECTICIDE RESISTANCE WARNING

**GROUP 4A INSECTICIDE**

For insecticide resistance management, Apparent Picador 350 SC Insecticide is a Group 4A Insecticide. Some naturally occurring insect biotypes resistant to Apparent Picador 350 SC Insecticide 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 Apparent Picador 350 SC Insecticide and other Group 4A Insecticides are used repeatedly. The effectiveness of Apparent Picador 350 SC Insecticide on resistant individuals could be significantly reduced.

Since the occurrence of resistant individuals is difficult to detect prior to use, Apparent Pty Ltd accepts no liability for any losses that may result from the failure of Apparent Picador 350 SC Insecticide to control resistant insects. Apparent Picador 350 SC Insecticide may be subject to specific resistance management strategies. For further information contact your local supplier, Apparent Pty Ltd representative or local agricultural department agronomist.

**Resistance Management Strategy (vegetables): DO NOT** apply more than one soil application of Apparent Picador 350 SC Insecticide to each crop. **DO NOT** use Apparent Picador 350 SC Insecticide or any Group 4A Insecticide as a foliar spray after soil application of Apparent Picador 350 SC Insecticide in that crop. Refer to district advice for local Silverleaf whitefly resistance management strategies.

**Export of Treated Product:** Growers should note that MRLs or import tolerances **DO NOT** exist in all markets for edible produce treated with Apparent Picador 350 SC Insecticide. If you are growing edible produce for export please check with Apparent Pty Ltd for the latest information on MRLs and import tolerances before using Apparent Picador 350 SC Insecticide.

**Note for Vegetable Crops:** Potential migration of Silverleaf whitefly from neighbouring crops. Adult Silverleaf whiteflies (SLWF) are controlled when they ingest a lethal dose of active ingredient by feeding on a Apparent Picador 350 SC Insecticide treated crop. However, in some very susceptible crops and varieties, the migration of large populations of adults from adjacent fields may result in significant feeding damage to the crop, although further reproduction and development of the pest will be prevented. To help prevent

such damage it is important to minimise the migration of adult SLWF into a treated crop, e.g. by applying a 'clean-up' fast-acting insecticide to recently harvested crops. Consideration of factors such as planting sequences and timing, wind direction, variety selection, and general crop hygiene should also be integral to SLWF management.

Crops should also be monitored for SLWF adult numbers after application of Apparent Picador 350 SC Insecticide, and appropriate fast acting insecticides for control of adults should be applied if economic thresholds are reached or excessive adult feeding damage is observed.

##### MIXING

Prior to pouring, shake container vigorously, then add the required quantity of Apparent Picador 350 SC Insecticide to water in the tank while stirring or with agitators in motion. Apparent Picador 350 SC Insecticide requires constant agitation in the tank.

##### APPLICATION (Sugarcane)

Apply only as a subsurface soil application. Apply in no less than 1.5 litres of water per 100 metres of cane row (equivalent to no less than 100 L/ha of water for single row cane with 1.52 m spacing between rows).

##### Greyback canegrub

**Twin coulter method:** Apply subsurface behind twin coulters to a depth of 100 – 125 mm. Coulters should be spaced 220 mm to 500 mm apart, one either side of the centre of the stool. Coulters should be in the sides or top of the stool mound rather than at the base. Narrow spacings may not be possible with advanced ratoon growth. **DO NOT** apply using narrow spacings if ratoon growth is advanced such that excessive crop damage from equipment may result.

**Single coulter method (“stool split”):** Apply subsurface behind a single coulter in the centre of the stool. **DO NOT** apply using this method if ratoon growth is advanced such that excessive crop damage from equipment may result. This method is not suitable for all areas. Before using this method, consult your local Apparent Pty Ltd representative.

##### Childers canegrub

**Twin coulter method:** Apply subsurface behind twin coulters to a depth of 100 – 125 mm. Coulters should be spaced 220 mm to 350 mm apart, with one coulter on either side of the centre of the stool.

## **APPLICATION (Vegetables)**

Refer to instructions in Critical Comments for each application method.

## **PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT**

**DO NOT** contaminate streams, rivers or waterways with chemical or used containers. Picador is toxic to certain aquatic species. Application should be planned to avoid run-off within 48 hours of application. **DO NOT** apply to wet/waterlogged soils. **DO NOT** apply if heavy rains are expected to occur within 48 hours. Irrigation run-off from treated areas should be prevented from entering drains and waterways.

**Sugarcane:** Irrigation should not occur within 48 hours of application.

**Vegetables (furrow spray pre-plant and plant hole drench applications):** Irrigation within 48 hours of application should be minimal and sufficient to reduce seedling stress only.

## **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 or preferably pressure rinse containers before disposal. Add rinsings to the spray tank. **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 bury containers at a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Empty containers and product should not be burnt.

## **SAFETY DIRECTIONS**

Harmful if swallowed. Repeated exposure may cause allergic disorders. Wash hands after use. When preparing product for use, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and a face shield. After use and before eating, drinking or smoking wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, face shield and contaminated clothing.

## **FIRST AID**

If poisoning occurs contact a doctor or Poisons Information Centre. Phone Australia: 13 11 26.

## **SAFETY DATA SHEET**

Additional information is listed in the Safety Data Sheet (SDS) which is available from the supplier.

## **CONDITIONS OF SALE**

The use of Apparent Picador 350 SC Insecticide being beyond the control of the manufacturer no warranty expressed or implied is given by Apparent Pty Ltd regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and Apparent Pty Ltd accepts with no responsibility for any consequences whatsoever resulting from the use of this product.