

POISON

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

AC IMPRESSOR 350

SOIL INSECTICIDE

ACTIVE CONSTITUENT: 350g/L IMIDACLOPRID

GROUP	4A	INSECTICIDE
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A soil applied treatment for the control of Greyback and Childers Canegrub in sugarcane and Silverleaf Whitefly in various vegetable crops, and an injection treatment for control of certain pests in bananas as specified in the Directions for Use table.

IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USE

CONTENTS: 1 L, 5 L & 10 L

Axichem Pty Ltd

7 PALM AVENUE

SHORNCLIFFE QLD 4017

Ph: (07) 3269 7437 Fax: (07) 3869 2741



RLP
Approved

BATCH NO:

DATE OF MANUFACTURE:

APVMA Approval Number: 65585/61087

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

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

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 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 empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

SAFETY DIRECTIONS

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

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre (Telephone Australia 13 11 26).

MATERIAL SAFETY DATA SHEET

Additional information is listed in the Material Safety Data Sheet, which can be obtained from the supplier.

CONDITIONS OF SALE

Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with the directions under normal conditions of use. No warranty of merchantability for a particular purpose, express or implied, extends to the use of the product contrary to label instructions, or under abnormal conditions.

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DIRECTIONS FOR USE**Restraints**

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

DO NOT apply AC Impressor 350 Soil Insecticide or any other Group 4A Insecticide as a foliar spray after soil application of AC Impressor 350 Soil Insecticide in that crop.

DO NOT apply more than one application of AC Impressor 350 Soil Insecticide per crop for vegetable, per ratoon crop for sugarcane.

DO NOT apply more than one application of AC Impressor 350 Soil Insecticide or any other Group 4A Insecticide per crop for bananas.

CROP	INSECTS	RATE	CRITICAL COMMENTS
Bananas - Cavendish	Banana rust thrips (<i>Chaetanaphothrips signipennis</i>) (Nth Qld, NT, Nth WA only)	2.5 or 3.5 mL/stool Inject undiluted or diluted 50:50 with water	The higher rate may give improved control in some situations. Application Timing Do not inject bunched plants. Select the best follower and inject into the base. Do not inject any follower more than once. Injection can occur at any time within 3 months after harvest of the mother plant or nurse suckering. To limit the risk of plant damage from injection, inject only those followers that are at least 1.5 m tall to the throat of the plant. Plants smaller than 1.5 m tall to the throat can be treated but there is significant risk of plant injury from injection. For application in plant bananas the same minimum height requirement applies as above, plus the plant should be at a stage at least 3 months prior to bell emergence.
	Banana weevil borer (<i>Cosmopolites sordidus</i>) (Qld, NSW, NT, WA only)	2.5 mL/stool Inject undiluted or diluted 50:50 with water	Application Method Injection should occur 15 cm from the base of the plant at an off centre, downward angle to a depth of 5 to 10 cm. Do not inject into the centre of the plant as this may result in plant death. Injection should be conducted in a manner that ensures applied chemical is retained within the pseudostem. Irrigation or moderate to heavy or prolonged periods of rainfall may saturate the internal structure of the pseudostem, leading to "run-out" from injection holes. Allow sufficient time following irrigation and rainfall events, before application, to minimise such 'run-out'. AC Impressor 350 Soil Insecticide should be used as part of an integrated pest management approach which should include the use of other measures for control of banana rust thrips, such as bell injection and bunch applications. Note: Application during conditions conducive to banana spider mite may enhance population development. Under these conditions, continue to monitor mite populations following AC Impressor 350 Soil Insecticide application, taking appropriate action where thresholds are exceeded.
Bananas – Lady Finger (Qld, NSW, NT, WA only)	Banana weevil borer (<i>Cosmopolites sordidus</i>)	2.5 or 3.5 mL/stool Inject undiluted or diluted 50:50 with water	
Sugarcane (Ratoon cane only)	Greyback canegrub	16-22mL per 100 metres of cane row (equivalent to 1.05 - 1.44 L/ha for single row cane with 1.52m spacing between rows)	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 3 rd 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 eg an average greater than 4 grubs per stool. Apply only as a sub-surface soil application behind coulters (refer to Application direction under General Instructions). Soil should have moisture at coulters depth at the time of application or should receive at least 15mm of rainfall or irrigation within 1 week. DO NOT leave AC Impressor 350 Soil Insecticide exposed to sunlight. After application ensure the AC Impressor Soil Insecticide treated band is covered by at least 100mm of soil and that coulters slits are filled in completely. DO NOT apply more than once per season.
	Childers canegrub	11-16mL per 100 metres of cane row (equivalent to 0.72 - 1.05 L/ha for single row cane with 1.52m spacing between rows)	Apply from September to November. Check for the presence of grubs from September onwards. Apply AC Impressor 350 Soil Insecticide when grub numbers reach an economic threshold (about 3 grubs per stool). Use the high rate when grub populations are high, eg 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 15mm of rainfall or irrigation within 1 week. DO NOT leave AC Impressor 350 Soil Insecticide exposed to sunlight. After application ensure the AC Impressor 350 Soil Insecticide treated band is covered by at least 100mm of soil and that coulters slits are filled in completely DO NOT apply more than once per season.

CROP	INSECTS	RATE	CRITICAL COMMENTS
Capsicums, cucurbits, eggplant, sweet potato, tomatoes	Silverleaf Whitefly, including type B	14mL/100 metres of row	Sub-surface trickle irrigation injection. Apply once only 5-7 days after planting (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 AC Impressor 350 Soil Insecticide injection is complete, continue irrigation only until lines are flushed, no longer than 1 hour. DO NOT apply AC Impressor 350 Soil 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 run off. In situations where root development in the crop is slow, evidence of control may be delayed.
		14mL/100 metres of row (Mix with water, using at least 2 litres of spray mixture per 100m row)	Furrow spray pre-plant Apply to open furrow not earlier than 5 days prior to planting as a narrow band of spray centred under the plant row. Do not leave AC Impressor 350 Soil 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 100mm below the soil surface. At planting, steps should be taken to ensure workers do not contact the treated soil.
Capsicums, eggplant, tomatoes		14mL/100 metres of row (Mix with sufficient water, to allow a constant volume of at least 50mL of drench mixture per plant)	Plant hold drench DO NOT apply AC Impressor 350 Soil Insecticide by this method where plant spacing along the row exceeds 60cm. 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 do not 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
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For insect resistance management AC Impressor 350 Soil Insecticide is a Group 4A Insecticide. Some naturally occurring insect biotypes resistant to AC Impressor 350 Soil 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 AC Impressor 350 Soil Insecticide or other Group 4A insecticides are used repeatedly. The effectiveness of AC Impressor 350 Soil Insecticide on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Axichem Pty Ltd accepts no liability for any losses that may result from the failure of AC Impressor 350 Soil Insecticide to control resistant insects. AC Impressor 350 Soil Insecticide may be subject to specific resistance management strategies. For further information contact your local supplier, Axichem Pty Ltd representative or local agricultural department agronomist.

Insecticide Resistance Management Strategy (vegetables):

Do not apply more than one soil application of AC Impressor 350 Soil Insecticide to each crop. Do not use AC Impressor 350 Soil Insecticide or any other Group 4A Insecticide as a foliar spray after soil application of AC Impressor 350 Soil Insecticide in that crop. Refer to district advice for local Silverleaf Whitefly resistance management strategies.

Export of Treated Produce

Growers should note that MRLs or import tolerances do not exist in all markets for edible produce treated with AC Impressor 350 Soil Insecticide. If you are growing edible produce for export, please check with Axichem Pty Ltd for the latest information on MRLs and import tolerances before using AC Impressor 350 Soil Insecticide.

NOTE FOR VEGETABLE CROPS**Potential migration of Silverleaf Whitefly from neighbouring crops.**

Adult Silverleaf Whitefly (SLWF) are controlled when they ingest a lethal dose of active ingredient by feeding on a AC Impressor 350 Soil Insecticide treated crop. However, in some very susceptible crops and varieties, the first 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 be monitored for SLWF adult numbers after application of AC Impressor 350 Soil 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.

PRECAUTION

Application in bananas: Ensure application equipment does not leak. To reduce the risk of exposure from accidental leakage, wear gloves during application.

MIXING

Prior to pouring, shake container vigorously, then add the required amount of AC Impressor 350 Soil Insecticide to water in the tank while stirring or with agitators in motion. AC Impressor 350 Soil Insecticide requires constant agitation in the tank.

APPLICATION**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 100L/ha of water for single row cane with 1.52m spacing between rows).

Greyback Canegrub

Twin coulter method: Apply subsurface behind twin coulters to a depth of 100-125 mm. Coulters should be spaced 220-500mm apart, with one coulters on either side of the centre of the stool. Coulters slits 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 coulters 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 Axichem representative.

Childers Canegrub

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

Application - Vegetables

Refer to instructions in Critical Comments for each application method.

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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:

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