

Product Name: EuroChem INDOX 150EC Insecticide
APVMA Approval No: 84882 / 114291



Label Name:	EuroChem INDOX 150EC Insecticide
Signal Headings:	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Constituent Statements:	ACTIVE CONSTITUENT : 150 g/L INDOXACARB SOLVENT : 550 g/L N-METHYL-2-PYRROLIDONE SOLVENT : 190 g/L LIQUID HYDROCARBONS
Mode of Action:	GROUP 22A INSECTICIDE
Statement of Claims:	For the Control of various species of insect pests in Azuki beans, Chickpeas, Faba beans, Mungbeans and Soybeans as per the Directions for Use
Net Contents:	10L, 20L, 110L, 200L
Restraints:	DO NOT apply if rain is expected within 2 hours of application, or if heavy dew is present on crops. DO NOT apply when wind speed is less than 3 and greater than 20 kilometers per hour or during weather conditions when surface temperature inversions can develop. DO NOT apply within 50 m (aerial application) or 20 m (ground application) when there are livestock, pasture or any land that is producing feed for livestock downwind from the application area. DO NOT apply more than one (1) application per field for the crops entire growth cycle.
Directions for Use:	
Other Limitations:	

Withholding Periods:	HARVEST AZUKI BEANS, CHICKPEAS, FABA BEANS, MUNGBEANS, SOYBEANS: DO NOT HARVEST FOR 21 DAYS AFTER APPLICATION. GRAZING AZUKI BEANS, CHICKPEAS, FABA BEANS, MUNGBEANS, SOYBEANS: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 21 DAYS AFTER APPLICATION.
Trade Advice:	LIVESTOCK DESTINED FOR EXPORT MARKETS The label withholding period for grazing only applies to stock slaughtered for the domestic market. Some export markets apply different standards. To meet these standards, ensure that the Export Slaughter Interval or the Export Grazing Intervals is observed before stock are sold or slaughtered. EXPORT SLAUGHTER INTERVAL (ESI): 28 DAYS - Livestock that have been grazing or fed treated crops and or over sprayed should be placed on clean feed for 28 days (4 weeks) prior to export slaughter.
General Instructions:	
Resistance Warning:	GROUP 22A INSECTICIDE For insecticide resistance management EuroChem INDOX 150 EC Insecticide is a Group 22A insecticide. Some naturally occurring insect biotypes resistant to EuroChem INDOX 150 EC Insecticide and other Group 22A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if EuroChem INDOX 150 EC Insecticide and other Group 22A insecticides are used repeatedly. The effectiveness of EuroChem INDOX 150 EC Insecticide on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, TGAC Australia Pty Ltd. Limited accepts no liability for any losses that may result from failure of EuroChem INDOX 150 EC Insecticide to control resistant insects. EuroChem INDOX 150 EC Insecticide may be subject to specific resistance management strategies. For further information contact your supplier, TGAC Australia Pty Ltd representative or local agricultural department agronomist.
Precautions:	DO NOT use human flaggers/markers unless they are protected by engineering controls such as vehicles with enclosed cabs. RE-ENTRY PERIOD DO NOT allow entry into treated areas until spray has dried. When prior entry is necessary, wear cotton overalls buttoned to the neck and wrists, a washable hat and chemical resistant gloves. Clothing must be laundered after each day's use.
Protections:	PROTECTION OF LIVESTOCK Dangerous to bees. DO NOT apply when bees are actively foraging. Avoid direct application or drift of the spray mix onto beehives. After the spray has dried, bees can safely forage flowering crops. AVOID SPRAY DRIFT ONTO ADJOINING PROPERTIES OR STOCK AREAS. Assess the treatment area before application to identify animal exposure risks. Avoid aerial application where possible. Observe the buffer zones for aerial and ground application. If

	unexpected conditions cause spray drift onto pasture or fodder crops that livestock may potentially graze or may be cut for livestock feed, seek advice from TGAC Australia Pty Ltd. PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT DO NOT contaminate streams, rivers or waterways with the chemical or used containers. Retain irrigation water and DO NOT allow the chemical to enter adjacent paddocks, crops or water supplies. PROTECTION OF NON-TARGET BENEFICIAL INSECTS Beneficial insects contribute to control of secondary pest outbreaks. EuroChem INDOX 150 EC applications are unlikely to affect spiders and lacewings. Applications MAY temporarily reduce populations of predatory beetles, transverse ladybirds, ants and pirate bugs, but populations quickly recover. PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS DO NOT apply under weather conditions or from spraying equipment, that may cause spray to drift onto nearby non-target plants/crops, cropping lands or pastures. Refer to the Product Use section above and the cotton industry's Best Management Practice Manual to manage spray drift during application.
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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 container to recycler or designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. Do not burn empty containers or product. For returnable containers, empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.
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Safety Directions:	Harmful if swallowed. Will irritate the eyes and skin. May irritate the nose and throat. Repeated exposure may cause allergic disorders. Avoid contact with eyes and skin. Do not inhale vapour. When opening the container and preparing spray/ dip /other form and using the product wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length PVC gloves and goggles. If product in eyes, wash it out immediately with water after use. 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 and goggles and contaminated clothing.
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First Aid Instructions:	If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26. If swallowed, do NOT induce vomiting. Give a glass of water. If in eyes wash out immediately with water.
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First Aid Warnings:	
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DIRECTIONS FOR USE

Crop	Pest	State	Rate	Critical Comments
Chickpeas Faba beans	Cotton bollworm (<i>H. armigera</i>) Native budworm (<i>H. punctigera</i>)	All States	300 mL/ha	Target brown eggs and hatchling (neonates or first instar) to small larvae (second instar) when they reach the economic spray threshold and before they become entrenched in flowers (particularly relevant to faba beans) or pods.
Azuki beans Mungbeans Soybeans	Cotton bollworm (<i>H. armigera</i>) Native budworm (<i>H. punctigera</i>)		400 mL/ha	Target brown eggs and hatchling (neonates or first instar) to small larvae (second instar) when they reach the economic spray threshold and before they become entrenched in flowers and pods.
	Soybean looper (<i>Thysanoplusia orichalcea</i>)		200 mL/ha	Target hatchling (neonates or first instar) to small larvae (second instar) when they reach the economic spray threshold.
	Red shouldered leaf or Monolepta beetle (<i>Monolepta australis</i>) Soybeans only		200 mL/ha	Target adult beetles when they reach the economic spray threshold. Ensure thorough spray coverage.

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

GENERAL INSTRUCTIONS

The interaction of equipment and weather-related factors determines the potential for spray drift. The applicator must consider all these factors when making application decisions and determining off-target drift risks near the application. A spray drift minimization strategy, should be employed at all times when applying this product.

APPLYING LARGER DROPLETS (volume median diameter (VMD) 150-250 microns) REDUCES DRIFT POTENTIAL, BUT WILL NOT MINIMISE DRIFT IF APPLICATIONS ARE MADE IMPROPERLY OR UNDER UNFAVOURABLE ENVIRONMENTAL CONDITIONS. Larger droplets may reduce the effects of evaporation.

Mixing

Use only clean water. Half fill the spray tank with water and add the appropriate amount of **EuroChem INDOX 150 EC** directly to the spray tank, agitate and then completely fill the tank. Mix thoroughly and continue mechanical or hydraulic agitation.

Storage of spray mixture

Use the prepared spray immediately. If unforeseen conditions prevent immediate use of the **EuroChem INDOX 150 EC** spray mix, the mix may be stored up to 72 hours. Before use, thoroughly agitate the spray mix until fully resuspended.

Application

Application equipment should be calibrated to apply at least sixty (60) droplets per cm^2 of target foliage. Droplet VMD should be of medium spray quality according to ASAE S572 definition for standard nozzles.

Ground application

Apply as a **blanket** spray or as a **banded** spray to all crops. Ensure thorough spray coverage on the foliage, using appropriate fan nozzles. Apply in a minimum spray volume of 100 L/ha and keep the boom low to avoid spray drift. A minimum spray pressure of 275 kPa (40 psi) should be used with fan nozzles applying insecticides. Higher pressure reduces droplet size, DOES NOT improve canopy penetration and may increase drift potential. WHEN HIGHER FLOW RATES ARE NEEDED, USE A HIGHER-CAPACITY NOZZLE INSTEAD OF INCREASING PRESSURE. For band spraying, increase the number of fan nozzles per crop row as the plant size increases.

Aerial application

EuroChem INDOX 150 EC must only be applied with aircraft fitted with accurately calibrated equipment.

Apply a minimum total spray volume of 30 L/ha with nozzles (e.g. Micronaire[®] rotary atomisers, CP nozzles or conventional hydraulic nozzles) set to medium spray quality according to ASAE S572 definition for standard nozzles. A spray drift minimisation strategy, should be employed at all times when applying this product.

DO NOT apply EuroChem INDOX 150 EC using Ultra Low Volume (ULV) methods.

Compatibility: Label instructions for all products must be observed

EuroChem INDOX 150 EC is compatible with Ovasyn[®] insecticide, Amitraz 200 g/L EC formulations and Pix[®] (mepiquat chloride). **EuroChem INDOX 150 EC** is not compatible with ultra low volume (ULV) formulations or the following foliar fertilisers: Supa[®] K 30, Zip[®] and Triple 7[®]. Since formulations may be changed and new ones introduced, it is recommended that users pre-mix a small quantity of the desired tankmix and observe possible adverse changes (settling out, flocculation etc).

Salt

When the addition of salt is indicated in the Directions for Use table, TGAC Australia Pty Ltd recommends the use of salt from the following sources: Table or cooking salt, Pool salt, or salt approved for use in livestock feed e.g. Cheetham[®] RAM (No.2) Dried Fine Salt, Olsson's[®] Kiln Dried Course Refined Salt.

Spray Equipment Cleanout

Only apply product using clean, well maintained equipment. Immediately following application, thoroughly clean all spray equipment to reduce risk of deposits forming that might become difficult to remove.

Drain spray equipment into a disposal pit designed for this purpose. Thoroughly rinse sprayer and flush hoses, boom, and nozzles with clean water. Fill the sprayer with clean water and household ammonia (one litre of 3 % active for every 100 L of water). Flush hoses, boom, and nozzles. Turn off boom and top off the tank with clean water. Circulate through the spraying system for at least 15 minutes. Flush the hoses, boom and nozzles and drain the tank. Remove and clean nozzles, screens, and strainers in a bucket of fresh ammonia and water. Thoroughly rinse the sprayer, hoses, boom and nozzles with clean water several times. Clean all other associated contaminated application equipment.

MATERIAL SAFETY DATA SHEET

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

IN EMERGENCY ONLY DIAL 000 Police or Fire Brigade
