

# POISON

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING



**ACTIVE CONSTITUENT:** 50 g/L DELTAMETHRIN  
30 g/L S-METHOPRENE  
400 g/L PIPERONYL BUTOXIDE

**SOLVENT:** 245 g/L LIQUID HYDROCARBONS  
40 g/L N-METHYL-2-PYRROLIDONE

**GROUP 3A | 7A INSECTICIDE**

*For mixing with uninfested cereal grain, including malting barley, sorghum, rice and maize, for protection against various insect pests, including organophosphate-resistant strains.*

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**Contents 1 L & 5 L**

**DIRECTIONS FOR USE**

**RESTRAINTS**

**DO NOT** apply more than one deltamethrin post-harvest treatment to stored grain.

**DO NOT** use this product if post-harvest application of a deltamethrin grain protectant has previously occurred.

**DO NOT** move treated grain for 24 hours after treatment.

SITUATION/ CROP	PEST	RATE	CRITICAL COMMENTS
Stored cereal grain	Saw-toothed grain beetle ( <i>Oryzaephilus surinamensis</i> ), Flat grain beetles ( <i>Cryptolestes</i> spp.), Rust-red flour beetle ( <i>Tribolium castaneum</i> ), Confused flour beetle ( <i>Tribolium confusum</i> ), Lesser grain borer ( <i>Rhyzopertha dominica</i> ), Tropical warehouse moth ( <i>Ephestia cautella</i> ), including those resistant to organophosphates Weevils ( <i>Sitophilus</i> spp.): in combination with registered fenitrothion grain protectant (such as METHOGRain FENITROTHION 1000 INSECTICIDE) as per label instructions.	2 L in 100 L of water	<b>This product is for use only by Approved Users. For further information go to <a href="http://www.methograin.com">www.methograin.com</a></b> Apply at rate of 1 L diluted spray per tonne of grain. Apply through standard grain spraying machinery. The output of spray through each nozzle must be regulated according to the flow of the grain. See mixing/applications instructions. This treatment will provide up to 9 months' protection. <b>Warning:</b> Resistant strains of some species may be present in some locations and may not be controlled to the degree required by this product alone. Where resistance to both synthetic pyrethroids (deltamethrin) and S-methoprene is known or suspected, add a registered fenitrothion grain protectant (such as METHOGRain FENITROTHION 1000 INSECTICIDE) as per label instructions. <b>Refer to Notes on control of <i>Sitophilus</i> spp. and resistant and tolerant strains of stored cereal grain pests. SINGLE APPLICATION ONLY</b>

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

**IN WA FOR USE BY BULK HANDLING AUTHORITIES ONLY.**

**WITHHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED.**

**EXPORT OF TREATED PRODUCE**

Users should note that suitable MRLs or import tolerances may not have been established in all markets for produce treated with METHOGRain Delta IGR Grain Protectant. If necessary, details of overseas MRLs or tolerances should be obtained prior to treating of grain for export using this product. Please check with AgNova Technologies Pty Ltd for the latest information on MRLs and import tolerances. Ensure a vendor declaration form is included with all grain treated with METHOGRain Delta IGR Grain Protectant.

**GENERAL INSTRUCTIONS**

**Mixing/Application**

DO NOT store diluted insecticide; prepare a fresh solution as necessary. DO NOT spray the moving parts of any machinery, electric motors or switch-gear with the water-based diluted spray. The diluted spray should be applied through standard grain spraying equipment. The spray nozzle(s) must be capable of delivering an even spray pattern and the output of spray must be regulated according to the flow of the grain. The spray rate, measured in litres per hour must equal the auger or elevator uptake in tonnes per hour. Treated grain should not be moved for 24 hours after treatment. On completion wash out spraying equipment, mixing and measuring utensils with water.

**Compatibility**

As formulations of other manufacturers' products are beyond the control of Bábolna Bioenvironmental Centre Plc and as water quality may vary, all mixtures should be tested prior to mixing commercial quantities to assess physical compatibility. Read the label for the other insecticide product before mixing or using the tank mix. DO NOT mix concentrates together but add each one to the spray tank separately. DO NOT store mix overnight. As changes in climatic conditions can alter the sensitivity of plants to mixtures of sprays, Bábolna Bioenvironmental Centre Plc cannot be responsible for the behaviour of such mixtures.

### **Insecticide Resistance Warning**

## **GROUP 3A | 7A | INSECTICIDE**

For insecticide resistance management METHOGRain Delta IGR Grain Protectant is a Group 3A & 7A insecticide. Some naturally-occurring insect biotypes resistant to METHOGRain Delta IGR Grain Protectant and other Group 3A & 7A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if METHOGRain Delta IGR Grain Protectant or other Group 3A & 7A insecticides are used repeatedly. The effectiveness of METHOGRain Delta IGR Grain Protectant on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Bábolna Bioenvironmental Centre Plc accepts no liability for any losses that may result from the failure of METHOGRain Delta IGR Grain Protectant to control resistant insects.

METHOGRain Delta IGR Grain Protectant may be subject to specific resistance management strategies. For further information contact your local supplier, Bábolna Bioenvironmental Centre Plc's representative or local agricultural department agronomist.

### **Note on control of *Sitophilus* spp. and resistant and tolerant strains of stored cereal grain pests:**

For control of Rice weevil, Granary weevil, Maize weevil (*Sitophilus* spp.) and strains of pests in stored cereal grains which are resistant to, or naturally tolerant to the pyrethroid group of insecticides, a tank mix of METHOGRain Delta IGR Grain Protectant and another registered insecticide (e.g. METHOGRain Fenitrothion 1000 Insecticide) is recommended. Ensure all label instructions on other products are understood and followed.

## **PRECAUTIONS**

### **Rehandling**

DO NOT handle treated grain until the spray has dried unless wearing chemical resistant gloves and a disposable dust mask covering mouth and nose.

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

Dangerous to fish and other aquatic organisms. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

## **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. 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 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.

## **SAFETY DIRECTIONS**

Harmful if inhaled or swallowed. Will irritate the eyes, nose, throat and skin. Avoid contact with eyes and skin. Do NOT inhale vapour. Ensure adequate ventilation when using the product. When opening the container, mixing and loading, or preparing the spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow length chemical resistant gloves and goggles. If product on skin, immediately wash area with soap and water. If product in eyes wash it out immediately with water. Wash hands after use. After each day's use, wash gloves and contaminated clothing and goggles.

## **FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia (13 11 26). If swallowed, DO NOT induce vomiting. If in eyes wash out immediately with water.

## **SAFETY DATA SHEET**

If additional hazard information is required refer to the Safety Data Sheet. For a copy visit the website at [agnova.com.au](http://agnova.com.au)

## **MANUFACTURER'S WARRANTY AND EXCLUSION OF LIABILITY**

This product as supplied is of high grade and believed to be suitable for any purpose for which it is expressly recommended and must be used in accordance with the Directions for Use given on the label. No responsibility is accepted in respect of the product save those non-excludable conditions implied by any Federal and State legislation or law of a Territory.

\* Methograin is a registered trademark of B abolna Bio Plc

Additional statements as required by Safe Work Australia in accordance with the Globally Harmonised System of Classification and Labelling (GHS).

**Combustible liquid. May be fatal if swallowed and enters airways. May cause drowsiness or dizziness.  
May damage fertility or the unborn child.**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not eat, drink or smoke when using this product. IF SWALLOWED: Rinse mouth. IF INHALED: Remove person to fresh air and keep comfortable for breathing. If eye irritation persists: Get medical advice/attention. In case of fire: Use carbon dioxide, dry chemical, foam, water fog or fine water spray to extinguish.

In a transport emergency dial 000, Police or Fire Brigade.  
For specialist advice in an emergency only, call 1800 033 111 (24 hours).

**APVMA Approval No: 86506/115918**

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