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# CAUTION

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

# METHOGRAIN IGR Grain Protectant

ACTIVE CONSTITUENT: 30 g/L S-METHOPRENE  
(SOLVENT: 720 g/L LIQUID HYDROCARBONS)

GROUP **7A** INSECTICIDE

For mixing with uninfested cereal grain for protection against immature stages of Lesser Grain Borer, Rust-Red Flour Beetle and Sawtoothed Grain Beetle, including organophosphate-resistant strains.

CONTENTS: 1 L, 10 L, 20 L

Registered by:

BABOLNA BIOENVIRONMENTAL CENTRE LTD  
H-1107 Budapest, Szállás u. 6., Hungary  
Phone: +361 4320 400  
[www.babolna-bio.com](http://www.babolna-bio.com)

Distributed by:

BARMAC, a Division of AMGROW PTY LTD  
82 Christensen Road, Stapylton, QLD 4207, Australia  
Phone: +61 7 3802 5050  
[www.barmac.com.au](http://www.barmac.com.au)

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**DIRECTIONS FOR USE:**

**Restraints:** DO NOT move treated grain within 24 hours after treatment. METHOGRAIN IGR is only effective against insects in the immature stages, not adults.

SITUATION/ CROP	PEST	RATE	CRITICAL COMMENTS
Stored Cereal grain	Lesser Grain Borer, Rust-Red Flour Beetle and Sawtoothed Grain Beetle including those resistant to organophosphates.	1L in 50 L of water, for 6 to 9 months protection.	Apply at rate of 1L diluted spray per tonne of grain.
	Stored grain insect pests (excluding <i>Sitophilus spp.</i> )	As above plus METHOGRAIN Fenitrothion 1000 Insecticide at the rates shown on the label.	

**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 might not have been established in all markets for produce treated with METHOGRAIN IGR. Before treating grain for export, please check with Babolna Bioenvironmental Centre Ltd for the latest information on MRLs and import tolerances.

**GENERAL INSTRUCTIONS:****Insecticide Resistance Warning**

<b>GROUP</b>	<b>7A</b>	<b>INSECTICIDE</b>
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For insecticide resistance management METHOGRAIN IGR Grain Protectant is a Group 7A insecticide.

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

METHOGRAIN IGR Grain Protectant may be subject to specific resistance management strategies. For further information contact your local supplier, Babolna Bioenvironmental Centre Ltd representative or local agricultural department agronomist.

**MIXING:**

Using clean water only, dilute sufficient material for the job at hand. Diluted spray should be used within 48 hours.

**EQUIPMENT:**

The diluted spray should be applied through special 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.

**CHECK RATE OF TREATMENT:**

The spray rate, measured in litres per hour must equal the auger or elevator uptake in tonnes per hour.

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**CLEANING UP:**

On completion, wash out spraying equipment and mixing and measuring utensils with water.

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

**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:** Will irritate the eyes and skin. Repeated exposure may cause allergic disorders. Avoid contact with eyes and skin. Do not inhale vapour or spray mist. When preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist, a washable hat, elbow-length PVC 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. If swallowed do NOT induce vomiting. Give a glass of water.

**MSDS:** Additional information is listed in the Material Safety Data Sheet.

**MANUFACTURERS 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.

**APVMA Approval No. 53038/103313**

**Batch No:**

**Date of manufacture:**

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# POISON

KEEP OUT OF REACH OF CHILDREN  
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FLAMMABLE

# METHOGRAIN Fenitrothion 1000 Insecticide

ACTIVE CONSTITUENT: 1000 g/L FENITROTHION  
(an anti-cholinesterase compound)

GROUP	<b>1B</b>	INSECTICIDE
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For control of grain pests (except Lesser Grain Borer) in stored cereal grain and storage facilities and equipment as per the Directions for Use table.

CONTENTS: 300 mL (600mL)

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**DIRECTIONS FOR USE:**

SITUATION/CROP	PEST CONTROLLED	RATE (High Volume)	CRITICAL COMMENTS
Stored Cereal (uninfested wheat, barley, oats, rice, sorghum and millet)	Stored grain insect pests (except Lesser Grain Borer and Sawtoothed Grain Beetle) including Rust Red Flour Beetle, Confused Flour Beetle, Rice Weevil, Indian Meal Moth, Tropical Warehouse Moth.	Up to 3 months protection (6 ppm) 6 mL/L water (1 L of dilute spray per tonne of grain.)	Apply during transfer into storage. Suitable equipment should be installed which will give an even coverage to the grain and is capable of adjustment with the flow of the grain. Refer to application rate table.
Grain storage facilities and equipment		Up to 6 months protection (12 ppm) 12 mL/L water	Apply as above. Observe withholding period as indicated below.
		10 mL/1 L water	Apply to the surface of the grain in storage at 2 monthly intervals using 5 L dilute spray per 100 m <sup>2</sup>
		10 mL/L water (1 L dilute spray treats approx 20 m <sup>2</sup> of walls and floors surface.)	Apply diluted spray to walls, floors, roof, structure, machinery, transport vehicles and areas around storage facilities. This treatment should be used as a routine hygienic procedure before grain is stored in any facility. Precautions should be taken to prevent surface contamination of grain. Treatment should not be repeated more frequently than at 2 monthly intervals in warm weather and 3 monthly intervals in winter months.
Tank mix with insect growth regulator for treatment of stored cereal.	Stored grain insect pests including Lesser Grain Borer and Rust Red Flour Beetle (including Organophosphorus resistant strains), excluding <i>Sitophilus spp.</i>	Up to 9 months protection (6 ppm) Mix 300 mL with 50 L water and 1 L METHOGRAIN IGR Grain Protectant <b>OR</b> 100 mL METHOGRAIN IGR 300 Grain Protectant	Apply 1 L diluted spray per tonne grain. Observe withholding period as indicated below.

**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 PERIODS: STORED CEREAL GRAINS: 12 PPM TREATED. HOLD GRAIN IN STORE AND DO NOT USE FOR PROCESSING INTO FOOD FOR HUMAN CONSUMPTION OR STOCK FOOD WITHIN 13 WEEKS OF TREATMENT.**

**STORED CEREAL GRAINS: 6 PPM AND TREATED WITH METHOGRAIN IGR GRAIN PROTECTANTS: HOLD GRAIN IN STORE AND DO NOT USE FOR PROCESSING INTO FOOD FOR HUMAN CONSUMPTION OR STOCK FOOD WITHIN 1 DAY OF TREATMENT.**

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**GENERAL INSTRUCTIONS:****Insecticide Resistance Warning**

GROUP	<b>1B</b>	INSECTICIDE
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For insect resistance management METHOGRAIN Fenitrothion 1000 Insecticide is a Group 1B insecticide.

Some naturally-occurring insect biotypes resistant to METHOGRAIN Fenitrothion 1000 Insecticide and other Group 1B insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if METHOGRAIN Fenitrothion 1000 Insecticide or other Group 1B insecticides are used repeatedly. The effectiveness of METHOGRAIN Fenitrothion 1000 Insecticide on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Babolna Bioenvironmental Centre Ltd accepts no liability for any losses that may result from the failure of METHOGRAIN Fenitrothion 1000 Insecticide to control resistant insects.

METHOGRAIN Fenitrothion 1000 Insecticide may be subject to specific resistance management strategies. For further information contact your local supplier, Babolna Bioenvironmental Centre Ltd representative or local agricultural department agronomist.

**APPLICATION TO STORED GRAIN:** To check application rate, refer to the following table:

<b>Elevator delivery rate, tonnes per hour</b>	<b>10</b>	<b>30</b>	<b>40</b>	<b>50</b>
<b>Dilute spray collected from nozzles; litres in 3 minutes</b>	<b>0.5</b>	<b>1.5</b>	<b>2.0</b>	<b>2.5</b>

**MIXING:** Mix the required amount of spray for immediate use only. Slowly add the required amount to the bulk of the water in the tank and agitate well before commencing to spray. Store in original container tightly sealed in a safe place.

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

**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:** Product is poisonous if absorbed by skin contact, inhaled or swallowed. Repeated minor exposure may have a cumulative poisoning effect. Avoid contact with eyes and skin. Do not inhale spray mist. When opening the container and preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist, a washable hat, elbow-length PVC gloves and face shield. When using in enclosed areas, wear goggles and half facepiece respirator with combined dust and gas cartridge. If product on skin, immediately wash area with soap and water. 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, goggles, respirator and if rubber wash with detergent and warm water, and contaminated clothing.

**FIRST AID:** If swallowed, splashed on skin or in eyes, or inhaled, contact a Poisons Information Centre (Phone e.g. Australia 131126; New Zealand 0800 764 766) or a doctor at once. Remove any contaminated clothing and wash skin thoroughly. If swallowed, activated charcoal may be advised. Give atropine if instructed.

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**APVMA Approval No. 46127/103312**

**Batch No:**

**Date of manufacture:**