



Product Information Sheet

METHOGRAIN® Fenitrothion 1000 Insecticide

Analysis: 1000 g/L Fenitrothion

Group	1B	Insecticide
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For cereal grain protection, METHOGRAIN® Fenitrothion 1000 Insecticide can be used to control populations of a number of insect pests including rice weevil, flour beetles, tropical warehouse moth and Indian meal moth.

This product can be applied as an admixture to bulk grain, and as a structural hygiene treatment to equipment and storage facilities.

Insect pests are a major source of damage to stored cereal grains. Heavy infestations can cause an increase in grain temperature and moisture levels, as well as increasing the chance of fungal attack.

Other problems include reduction in grain quality, loss of grain weight, reduced germination rate in seed grain, and rejection of grain for sale due to the presence of live insects.

Benefits:

- Suitable for on-farm and bulk grain handlers
- Approved for use on all cereal grains
- Helps to protect grain for up to 6 months (when treated at 12ppm for 6 months protection)
- No withholding period required when treated at 6ppm for 3 months protection (13 week WHP when treated at 12ppm)
- 300mL of METHOGRAIN® Fenitrothion 1000 Insecticide mixed with 50 litres of clean water is sufficient to treat 50 tonnes of grain
- Combined with METHOGRAIN® IGR products, including in the METHOGRAIN® IGR Grain Protection pack, increases the number of species covered and period of protection

Pack Sizes: 300 mL pack

Product Characteristics:

Colour	Specific Gravity
clear amber	1.24





Methograin® Fenitrothion 1000

Directions for application (refer to product label for more detailed instructions)

Situation	Pests Controlled	Dilution Rate	Comments
Stored cereal grain (uninfested wheat, barley, oats, rice, sorghum and millet)	Stored grain insect pests including rust-red flour beetle, confused flour beetle, rice weevil (<i>Sitophilus* spp.</i>), Indian meal moth and tropical warehouse moth	Up to 3-months protection (6ppm) 6mL per litre of water (1L of solution per tonne of grain)	Apply during transfer of grain to 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.
		Up to 6 months protection (12ppm) 12mL per litre of water (1L of solution per tonne of grain)	Apply as above and observe the 13 week withholding period.
Grain storage facilities and equipment		10mL per litre of water. 1L dilute spray treats approximately 20m ² of walls and floor surfaces	Apply dilute spray to walls, floor, roof, structures, machinery, vehicles and 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.
Tank mix with METHOGRain® IGR for treatment of stored cereal grain	Stored insect grain pests including those listed above as well as lesser grain borer (including organophosphate resistant strains)	Up to 9 months protection mix 300mL METHOGRain Fenitrothion 1000 with 1L METHOGRain® IGR Grain Protectant or 100mL METHOGRain® IGR300 Grain Protectant in 50L water	Apply 1L of mixture per tonne of grain.

**Sitophilus* is a genus of weevils. Some species are pests of stored grain and food products including the rice weevil (*S.oryzae*), wheat or granary weevil (*S.granarius*) and maize weevil (*S.zeamais*).



Rust Red Flour Beetle



Lesser Grain Borer

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BAR201007V3