

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

Sumithion® 1000EC

INSECTICIDE

ACTIVE CONSTITUENT: 1000 g/L FENITROTHION
(an anticholinesterase compound)

GROUP **1B** INSECTICIDE

For the control of locust and grasshopper pests of cereal grains and grazing sorghum crops and for the protection of cereal grain against stored product insect pests as per Directions for Use table.

GENERAL INSTRUCTIONS

Grain: Maximum efficiency of the product in grain protection is dependent upon its even distribution through the grain, the absence of infestation at uptake, sufficiently low moisture content ie. Less than 12% and storage temperature of below 27°C.

Mixing: Mix the required amount of spray for immediate use. Slowly add 1000EC to required amount of water in tank and agitate well before commencing to spray.

Equipment (Stored grain): The diluted spray should be applied through specialized grain spraying equipment. Important: the spray nozzle must be capable of delivery of an even spray pattern.

Equipment (Field uses): Apply by boom spray.

Cleaning: On completion, wash out spray equipment, mixing and measuring utensils with water.

INSECTICIDE RESISTANCE WARNING

GROUP **1B** INSECTICIDE

For insecticide resistance management Sumithion® 1000EC Insecticide is a Group 1B insecticide.

Some naturally-occurring insect biotypes resistant to Sumithion® 1000EC 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 Sumithion® 1000EC Insecticide or other Group 1B Insecticides are used repeatedly. The effectiveness of Sumithion® 1000EC Insecticide on resistant individuals could be significantly reduced. Since the occurrence of resistant individuals is difficult to detect prior to use, Sumitomo® Chemical Australia Pty Ltd accepts no liability for any losses that may result from the failure of Sumithion® 1000EC Insecticide to control resistant insects.

Sumithion® 1000EC Insecticide may be subject to specific resistance strategies. For further information contact your local supplier, Sumitomo® Chemical Australia Pty Ltd representative or local department of agriculture agronomist.

RE-ENTRY TO TREATED CROPS

DO NOT enter treated cereal and grazing sorghum crops for 11 days after treatment for scouting and 16 days after treatment for irrigation (handset).

When prior entry is necessary, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length chemical resistant gloves. Clothing must be laundered after each day's use.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT.

Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product or used containers. To avoid runoff, **DO NOT** apply if heavy rains or storms are forecast within 3 days. **DO NOT** irrigate to the point of field runoff for at least 3 days after application.

Toxic to birds and wild mammals. To protect wildlife, **DO NOT** apply before booting (BBCH <40) or after flowering is complete (BBCH >69).

PROTECTION OF HONEYBEES AND OTHER INSECT POLLINATORS

Toxic to bees. DO NOT apply to bee-attractive crops from the onset of flowering (BBCH ≥60). **DO NOT** allow spray drift to flowering weeds or flowering crops in the vicinity of the treatment area. Before spraying, notify beekeepers to move hives to a safe location with an untreated source of nectar and pollen, if there is potential for managed hives to be affected by the spray or spray drift.

INTEGRATED PEST MANAGEMENT

Toxic to beneficial arthropods. Not compatible with integrated pest management (IPM) programs utilising beneficial arthropods. Minimise spray drift to reduce harmful effects on beneficial arthropods in non-crop areas.

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, dispose of empty container or unused product in compliance with relevant local, state or territory government regulations. **DO NOT** burn empty containers or product.

For small spill management, refer to instructions listed in the Safety Data Sheet.

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 use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash contaminated clothing, gloves, face shield, goggles and respirator and if rubber wash with detergent and warm water.

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.

SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet (SDS).

IMPORTANT NOTICE

These goods are to be used only for the purpose and as specified on the label, and are not suitable for any other purpose. To the fullest extent permitted by law, we do not accept or bear any liability on any basis for any loss, damage, cost or expense, arising in any way, directly or indirectly, in connection with the goods.

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APVMA Approval No. 50775/RV25

Causes serious eye irritation.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**ORGANOPHOSPHOROUS PESTICIDE,
LIQUID, TOXIC
(FENITROTHION)**

PACKAGING GROUP III

HAZCHEM 2X

UN No. 3018



**In a Transport Emergency
DIAL 000
Police or Fire Brigade**

**SPECIALIST ADVICE IN EMERGENCY ONLY
ALL HOURS - AUSTRALIA WIDE
1800 033 111**

SPRAY DRIFT RESTRAINTS

Specific definitions for terms used in this section of the label can be found at apvma.gov.au/spraydrift

DO NOT allow bystanders to come into contact with the spray cloud.

DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. The buffer zones in the relevant buffer zone table/s below provide guidance but may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.

DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

DO NOT apply by a boom sprayer unless the following requirements are met:

- spray droplets not smaller than a COARSE spray droplet size category
- minimum distances between the application site and downwind sensitive areas (see 'Mandatory downwind buffer zones' section of the following table titled 'Buffer zones for boom sprayers') are observed.

Buffer zones for boom sprayers

Application rate	Boom height above the target canopy	Mandatory downwind buffer zones (metres)				
		Bystander areas	Natural aquatic areas	Pollinator areas	Vegetation areas	Livestock areas
Up to 330 mL/ha	0.5 m or lower	0	400	0	0	0
270 mL/ha or lower	0.5 m or lower	0	350	0	0	0

DO NOT apply by aircraft.

DIRECTIONS FOR USE

All States

SITUATION/ CROP	PEST	PROTECTION PERIOD	RATE	CRITICAL COMMENTS
Grain Protection All cereal grains stored in bulk for periods.	Stored product insect pests including susceptible and malathion-resistant grain weevils, flour beetles, saw-toothed grain beetle, tropical warehouse moth and Indian meal moth (but not lesser grain borer).	Up to 3 months	6 mL/L water (1 L of dilute spray per tonne of grain) (6 ppm)	Apply 1 L diluted spray per tonne to the grain flow. The spray rate measured in litres per hour must equal the auger or elevator uptake in tonnes per hour, e.g. for an uptake of 20 tonnes per hour the nozzle(s) must deliver 20 L per hour.
Grain Protection All cereal grains stored in bulk for periods.		Up to 6 months	1.2 L in 100 L water (12 ppm)*	
Cereal crops (excluding corn, maize and rice) and grazing sorghum	Australian Plague Locust	n/a	270 to 330 mL/ha	A single operator MUST NOT mix and apply more than 110 L of neat product per day (equivalent to spraying an area of no more than 320 ha per day at the maximum rate of 330 mL/ha or no more than 400 ha per day at the minimum rate of 270 mL/ha. <i>Continues next page</i>
	Spur-throated locust, Migratory locust	n/a	270 to 330 mL/ha	

SITUATION/ CROP	PEST	PROTECTION PERIOD	RATE	CRITICAL COMMENTS
Cereal crops (excluding corn, maize and rice) and grazing sorghum <i>continued</i>	Wingless Grasshopper	n/a	300 mL/ha	<i>Continued from previous page</i> DO NOT use open mixing/loading equipment. Closed mixing and loading must be used. DO NOT apply using open cab equipment. Enclosed cab application MUST be used DO NOT apply before booting (BBCH<40) or after flowering is complete (BBCH ≥69) When adult grasshoppers are present in dense crops, use of this product may not result in full control of pests. DO NOT apply more than 1 spray per field per year. Refer to Crop Safety section under General Instructions for Sorghum varieties.

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

IN STORED GRAIN IN WA – FOR USE BY BULK HANDLING AUTHORITIES ONLY

WITHHOLDING PERIOD

Stored Cereal Grain

6ppm* treated: NOT REQUIRED WHEN USED AS DIRECTED.

12ppm* treated: HOLD GRAIN TREATED AT 12PPM* IN STORE AND DO NOT USE FOR PROCESSING INTO FOOD FOR HUMAN CONSUMPTION OR FOR STOCK FEED FOR 13 WEEKS AFTER TREATMENT.

(*ppm = parts per million fenitrothion on grain (mg/kg))

Crops for human consumption

Cereal crops: DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION.

Crops for animal consumption/stockfeed

Fodder including cereal straw and sorghum: DO NOT GRAZE OR CUT FOR STOCK FEED FOR 14 DAYS AFTER APPLICATION.

EXPORT OF TREATED PRODUCE

Users should note that maximum residue limits (MRLs) or import tolerances may not exist in all markets for cereal grains, oaten hay, oilseeds or pulses which may be exposed to fenitrothion following the use of SUMITHION® 1000EC INSECTICIDE. If necessary, details of overseas MRL's or tolerances should be obtained prior to treating cereal grain using this product.