

POISON

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

SUMITOMO

SUMITHION® ULV

PREMIUM GRADE INSECTICIDE

ACTIVE CONSTITUENT: 1.23 kg/L FENITROTHION
An anticholinesterase compound

GROUP	1B	INSECTICIDE
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For the control of Australian Plague Locust, Wingless Grasshopper, Spur-throated Locust, Migratory Locust, Small Plague Grasshopper and Yellow-winged Locust in crops and pastures
(as per Directions for Use table).

CONTENTS *20L (25 kg)*
75L (100 kg)
200L (250 kg)

SUMITOMO CHEMICAL AUSTRALIA PTY LTD
501 Victoria Avenue
Chatswood NSW 2067
A C N: 081 096 255

*Registered Trademark of Sumitomo Chemical Co. Japan

17/05/00
Draft ULV label

N.R.A.
APPROVED LABEL (TEXT)
Label No: <i>50774/0500</i>
Date: <i>25.5.2000</i>
Signature: <i>G. Baum</i>

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DIRECTIONS FOR USE

Restraint

Sumithion® ULV Premium Grade Insecticide may cause leaf discolouration on many varieties of sorghum. Do not use on Alpha or Pioneer 846 varieties of sorghum as yield loss may occur.

CROP	INSECT	STATES	APPLICATION RATE	CRITICAL COMMENTS
Pastures, Pasture Seed Crops, Cereal Crops, Grazing Sorghum and Lucerne	Australian Plague Locust, Spur-throated Locust, Migratory Locust	Qld, NSW, Vic, SA, WA only	200 to 400mL/ha	Refer to General Instructions on Buffer Zones Spray when locusts are evident in damaging numbers. Use the lowest rate possible to achieve effective control. Higher rates may be necessary where vegetation is either very sparse or very dense.
	Yellow-winged Locust	Qld only	200-320mL/ha	
	Wingless Grasshopper	Qld, NSW, Vic, SA, WA only	250mL/ha	Refer to General Instructions on Buffer Zones Monitor regularly and spray newly emerged hoppers at hatching sites or spray adults before egg laying. Apply in heat of day when insects congregate. Spray infested areas when necessary in summer and autumn.
	Small Plague Grasshopper	SA only	200-300mL/ha	Refer to General Instructions on Buffer Zones Apply to infested areas. Use lowest rate possible to achieve effective control. Higher rates may be necessary where vegetation is either very sparse or very dense.
Apples, Cabbages, Cherries, Grapes, Lettuce, Tomatoes, Soybean	Australian Plague Locust	Qld, NSW, Vic, SA only	200-400mL/ha	Refer to General Instructions on Buffer Zones Spray when locusts are evident in damaging numbers. Use the lowest rate possible to achieve effective control. Higher rates may be necessary where vegetation is either very sparse or very dense.
	Spur-throated Locust, Migratory Locust	Qld, NSW only	200-400mL/ha	
	Wingless Grasshopper	NSW, Vic, SA only	250mL/ha	Refer to General Instructions on Buffer Zones Monitor regularly and spray newly emerged hoppers at hatching sites or spray adults before egg laying. Apply in heat of day when insects congregate. Spray infested areas when necessary in summer and autumn.
	Small Plague Grasshopper	SA only	200-300mL/ha	Refer to General Instructions on Buffer Zones Spray when locusts are evident in damaging numbers. Use the lowest rate possible to achieve effective control. Higher rates may be necessary where vegetation is either very sparse or very dense.

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

FOR THE FOLLOWING CROPS: VINES, APPLES, CABBAGES, CHERRIES, GRAPES, LETTUCE, SOYA BEAN AND TOMATO, DO NOT USE FOR ANY OTHER PURPOSE (PEST) THAN LOCUST AND GRASSHOPPER CONTROL.

DO NOT APPLY THIS PRODUCT BY AIRCRAFT AT RATES GREATER THAN 400mL/Ha.

RESIDUES MANAGEMENT

Re-application Intervals

Pasture, Lucerne

DO NOT apply at intervals of less than 7 days when used for grazing.

DO NOT apply at intervals of less than 14 days when cut for stock feed.

DO NOT apply at intervals of less than 14 days where stock may be oversprayed.

Pasture seed crops, cereal crops, forage crops, grazing sorghum, apples, cabbages, cherries, grapes, lettuce, tomatoes, soybean

DO NOT apply at intervals of less than 14 days.

WITHHOLDING PERIOD

Crops for human consumption

Apples, cabbages, cherries, grapes, lettuce, soya bean, tomato, cereal crops

DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION.

Crops for animal consumption/stockfeed

Pasture and Lucerne where stock have not been oversprayed.

DO NOT GRAZE FOR 7 DAYS AFTER APPLICATION OR WITHHOLD STOCK FROM SLAUGHTER FOR 14 DAYS AFTER APPLICATION, WHICHEVER IS APPROPRIATE. DO NOT CUT FOR STOCKFEED FOR 14 DAYS AFTER APPLICATION.

Pasture (including lucerne) where stock have been oversprayed

DO NOT SLAUGHTER FOR 14 DAYS AFTER APPLICATION.

Sorghum, cereal straw and fodder, pasture seed crops, forage crops

DO NOT GRAZE OR CUT FOR STOCK FEED FOR 14 DAYS AFTER APPLICATION.

GENERAL INSTRUCTIONS:

Insecticide Resistance Warning

GROUP	1B	INSECTICIDE
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For insecticide resistance management Sumitomo Sumithion ULV Premium Grade Insecticide is a Group 1B insecticide.

Some naturally-occurring insect biotypes resistant to Sumitomo Sumithion ULV Premium Grade 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 Sumitomo Sumithion ULV Premium Grade Insecticide or other Group 1B Insecticides are used repeatedly. The effectiveness of Sumitomo Sumithion ULV Premium Grade 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 Sumitomo Sumithion ULV Premium Grade Insecticide to control resistant insects.

Sumitomo Sumithion ULV Premium Grade 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.

Withholding Periods

Where control of locusts may require spraying of chemical either on landholders land or land adjacent to landholders where drift may occur, observance of withholding periods may require co-operation of the landholder, who should be consulted before spraying.

Mixing: This product is applied neat and does not need to be mixed with water. This product should be used with ultra-low volume misters and aerial equipment only. DO NOT mix with water.

Cleaning: If the application equipment is not dedicated to the application of this product only, on completion of spraying, wash out spray equipment with water.

APPLICATIONS AND BUFFER ZONES

Aerial Application

DO NOT apply at rates other than between 200 mL/ha to 400mL/ha. DO NOT apply without a buffer zone of AT LEAST 1.0 km between the site of application and sensitive areas including (but not limited to) natural streams, rivers, wetlands, natural surface waters, waterways, human dwellings or neighbouring properties. A buffer of 1.5km is preferable where this is possible. This buffer zone must be observed at all times when spraying.

APPLICATION TECHNIQUES

Ground-based applications

Apply fenitrothion by air-assisted, misting, and electrostatic sprayers.

Aerial applications

Apply in a manner that will minimise off-target drift. Best results when spraying across a moderate breeze to achieve a broad swath and an incremental deposit. Use of differential GPS track guidance and smokers is strongly recommended.

RECORD KEEPING

For aerial application detailed records must be kept of the conditions under which spraying occurred and must include temperatures, humidity, wind direction and speed, date and time of applications, number of applications, area of field (ha) treated, sketch of treated area, name and qualifications of applicator.

PRECAUTION

Ground Spraying

To minimise exposure, a vehicle equipped with an enclosed cab should be used for ground spraying operations when practicable.

It is highly desirable that closed mixing/loading systems are in place and enclosed cabs fitted. It would be preferable that the enclosed cabs are equipped with air-conditioning and pesticide filters.

Aerial Spraying

It is highly desirable that Aerial spray operators use closed mixing/loading only (closed mixing/loading systems include all mechanical transfer systems designed to minimise worker exposure during the transfer of product from container eg. dry coupling systems or closed filling/loading systems).

Human Flaggers

Where use of human flaggers in aerial applications cannot be avoided they must be protected by engineering controls such as enclosed cabs.

PROTECTION OF LIVESTOCK

DO NOT feed grass clippings from treated areas to poultry and animals.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Spray drift may occur under adverse meteorological conditions or from certain spray equipment.

DO NOT allow spray to drift off-target onto sensitive areas, including (but not limited to) natural streams, rivers, wetlands, natural surface waters, waterways, human dwellings or neighbouring properties. Buffer zones **MUST** be observed as per label directions.

Dangerous to Bees. DO NOT spray any plants in flower while bees are foraging.

STORAGE AND DISPOSAL

Triple or preferably pressure rinse containers before disposal. Dispose of rinsings in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots.

Break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit. Empty containers and product should not be burnt.

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. Obtain emergency supply of Atropine tables 0.6 mg.

When opening the container, preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist and 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 contaminated clothing, gloves, face shield, goggles and respirator and if rubber wash with detergent and water .

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre (Tel: 131126). If swallowed give one Atropine tablet every 5 minutes until dryness of the mouth occurs - if poisoned by skin absorption or through lungs, remove any contaminated clothing, wash skin thoroughly and give Atropine tablets as above. Get to a doctor or hospital quickly.

Additional information is listed in the Material Safety Data Sheet.

NOTICE TO BUYER

Sumitomo Chemical Australia Pty Ltd will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply or use of these goods other than responsibility for the merchantable quality of the goods and such responsibilities mandatory imposed by Statutes applicable the sale or supply of these goods. To the extent allowed by such statutes the liability of Sumitomo Chemical Australia Pty Ltd is limited to the replacement of the goods or (at the option of Sumitomo Chemical Australia Pty Ltd) the refund of the price paid and is conditional upon a claim being made in writing and where possible sufficient part of the goods to enable proper examination being returned to Sumitomo Chemical Australia Pty Ltd

UN No. 3018

Organophosphorous pesticide liquid, toxic, N.O.S. (fenitrothion)

In a Transport Emergency Dial 000 Police or Fire Brigade	SPECIALIST ADVICE IN EMERGENCY ONLY 1800 024 973 ALL HOURS - AUSTRALIA WIDE
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NRA Approval No: 50774/0500
Batch No:
Date of Manufacture: