



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



Fyfanon™ 1000 EC

INSECTICIDE

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

GROUP 1B INSECTICIDE

Controls adult mosquitoes, Queensland fruit fly and chewing and sucking insect pests of Citrus, Grape vines, Lucerne, Oilseed crops, Ornamentals, Pastures, Peas, Pome and Stone Fruits, Tobacco and Vegetables as specified in the Directions for Use table.

IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USING THIS PRODUCT.



0252wm



Ospray Pty Ltd ABN 23 110 199 169
 50 Middleton Road
 Cottonvale QLD 4375 AUSTRALIA
 Phone: 1800 624 597
www.ospray.com.au
 Trademark of CHEMINOVA A/S Denmark

Contents 5L



Fyfanon™ 1000 EC



STORAGE AND DISPOSAL

Store in the closed, original container in a dry, well-ventilated area, as cool as possible out of direct sunlight. Do not freeze. Store in a locked room or place away from children, animals, food, feedstuffs, seed and fertilisers. Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. Break, crush or puncture and bury containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and tree roots. Empty containers and product should not be burnt.

SAFETY DIRECTIONS

Poisonous if absorbed by skin contact, inhaled or swallowed. May irritate the eyes and skin. Repeated minor exposure may have a cumulative poisoning effect. Avoid contact with eyes and skin. Do not inhale spray mist. Obtain an emergency supply of atropine tablets 0.6 mg. When opening the container and preparing spray, wear cotton overalls buttoned to the neck and wrist, and a washable hat and elbow-length PVC gloves. When using in enclosed areas, wear a face shield. 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 and contaminated clothing.

FIRST AID

If swallowed, splashed on skin or in eyes, or inhaled, contact a Poisons Information Centre (phone Australia 131126) or a doctor at once. Remove any contaminated clothing and wash skin thoroughly. If swallowed, activated charcoal may be advised. Give atropine if instructed.

MSDS

Additional information is listed in the Material Safety Data Sheet.

CONDITIONS OF SALE

This product must be used strictly as directed, and in accordance with all instructions appearing on the label. Ospray Pty Ltd accepts no liability or responsibility for loss or damage arising from incorrect storage, handling or use.

APVMA Approval No.: 62194/5L/1008

DOM:

Batch No.:



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place leaflet here



Barcode Positional

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DIRECTIONS FOR USE

RESTRAINT

DO NOT apply to melons or cucumbers when wet.

Crop/ Situation	Pest	State	Rate	WHP	Critical Comments
Bowling & Golf Greens	Argentine stem weevil (<i>Hyperodes bonariensis</i>)	SA, NSW, Vic, WA & NT only	60 mL in 50 L water/100 m ²	1 day	Lightly water grass after application.
Canola	Rutherglen Bug (<i>Nysius vinitor</i>)	SA, Vic, WA & NT only	550 mL/ha	-	Apply by aircraft or ground equipment when the pest first appears and repeat as necessary.
Citrus	Rutherglen Bug (<i>Nysius vinitor</i>) Thrips	SA, NSW, Vic, Tas, WA & NT only	60 mL/100 L water	3 days	Apply when pests first appear.
	Bronze orange bug (<i>Musgraveia sulciventris</i>), Citrus aphid, Citrus butterfly, Spiny lemon bug, Tree hoppers	NSW, Vic, SA, WA & NT only	100 mL/100 L + 1.3 L summer oil per 100 L water		
	California red scale (<i>Aonidiella auranti</i>)	SA, NSW, Vic, Tas, WA & NT only			
	Purple scale (<i>Lepidosaphes beckii</i>), Soft brown scale (<i>Coccus hesperidum</i>) Pink wax scale (<i>Ceroplastes rubens</i>)				
Cucurbits	Pumpkin beetle (<i>Aulacophora hilaris</i>)	SA, NSW, Vic, WA & NT only	60 to 100 mL/100 L water	3 days	In later growth stages of the crop increase rate and volume of cover.

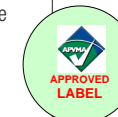
Crop/ Situation (cont)	Pest	State	Rate	WHP	Critical Comments
Fruit Fly Lure Control Routine	All fruit fly species EXCLUDING Mediterranean Fruit Fly	NT, Qld, NSW, Vic, ACT & SA only	500 mL/100 L water	3 days	Use only in combination with the registered rate per 100 litres of water of a suitable product containing a yeast autolysate protein lure eg. Pinnacle or Natflav. Do not apply mixtures of Fyfanon with the protein Flavax. Do not exceed the recommended rates of Fyfanon or these proteins as phytotoxicity may occur. Some crops may be prone to phytotoxicity induced by the proteins. The risk is increased during hot dry conditions and re-application of spray to the same parts of the plant. Apply bait within 4 hours of sunrise to avoid phytotoxicity. Apply the Fyfanon yeast autolysate lure to the foliage at the rate of 50 to 100 mL per tree using a coarse spray. Use the lower volume on smaller trees. Commence application at least 6 weeks before normal ripening of the fruit and repeat at 4 to 10 day intervals while fruit remains on trees. Use the longer spray interval when spraying during colder weather when fruit flies are less active. Heavy rain will wash the bait off foliage. Shorter application intervals will be necessary during warm wet weather. Spraying the mixture onto the foliage of other fruit trees in or around the orchard will assist in control. DO NOT apply bait to grass or other foliage. Avoid contact of the bait with fruit. DO NOT add other pesticides to the Fyfanon/ yeast autolysate protein mixture.
Fruit Fly Lure Control Routine (Citrus only)			500 mL/100 L water or 15 to 20 L/ha		Mixing and spray timing as above. Apply as above OR at 15-20 L/ha total volume as a 30 cm band at skirt level of trees for area wide control. Some varieties of citrus may be susceptible to fruit damage from the spray and caution should be exercised prior to application to varieties not previously treated. As repetitive application to the same part of the tree may cause some phytotoxicity, alternate sides of the trees sprayed.
Fruit Fly Lure Eradication only	All fruit fly species	All States	990 mL/100 L water		Mixing as above. Apply 50 to 100 mL per tree for eradication purposes as a spot bait to every tree or every second tree in orchards in a fruit fly outbreak area. To avoid phytotoxicity bait should not be applied if the weather is excessively dry and hot. Where large fruit trees are treated it may be necessary to apply in several spots and up to 200 mL of bait per tree. Continue baiting for the period prescribed for the eradication in the Code of Practice for the Management of Queensland Fruit Fly or equivalent document (prepared for the eradication of other fruit fly species). In urban areas 8 trees per household block should be spot sprayed with 50 to 100 mL of bait. To achieve successful eradication non-fruit trees and shrubs may need to be sprayed in order to achieve at least 100 spots/ha.
Grape vines	Grape vine scale (<i>Parthenolecanium persicae</i>)	SA, NSW, Vic, Tas, WA & NT only	100 mL/100 L + 1.3 L summer oil per 100 L water	3 days	For application during summer months if scale population increases.
	Mealy bug		100 mL/100 L water		Apply when pest first appears.
	Grapevine moth (<i>Phaenoides glycinae</i>)		60 mL/100 L water		
Lucerne	Black Field Cricket (<i>Teleogryllus commodus</i>)	SA, Vic, Tas, WA & NT only	BAIT 125 mL/10 kg kibbled grain/ha Use clean wheat, barley or oats. Do not use dusty grain.	1 day	IMMATURE CRICKETS Mix in a drum or cement mixer. It is not necessary to leave treated grain standing to absorb Fyfanon as it is absorbed rapidly and can be used immediately after treatment.
			BAIT 125-250 mL per 10 to 20 kg kibbled grain/ha. Use clean wheat, barley or oats. Do not use dusty grain.		MATURE CRICKETS Mix in a drum or cement mixer. It is not necessary to leave treated grain standing to absorb Fyfanon as it is absorbed rapidly and can be used immediately after treatment. Treated grain remains active for 4 to 6 weeks. Any excess grain therefore will be available to kill moderate numbers of re-invading crickets. Higher baiting rates (20 kg/ha) should be used where populations are dense, where plentiful alternative feed exists, or when the extra expense is considered a small premium to pay for greater certainty of control. Spread late in the afternoon or evening when early in the season, and in the morning late in the season. Baiting may fail if large quantities of pasture seed are present.





Crop/ Situation (cont)	Pest	State	Rate	WHP	Critical Comments
Lucerne (cont)	Black Field Cricket (<i>Teleogryllus commodus</i>)	SA, Vic, Tas, WA & NT only	SPRAY 700 mL in 25 to 50 L water	1 day	Apply in the evening. Pasture cover must be low so that the chemical will have direct contact with the crickets. The method may fail if cold weather keeps crickets below the ground for a day or two, or if rain falls after application.
	Lucerne Flea (<i>Sminthurus viridis</i>)	NSW, Vic, WA, SA & Tas only	70 to 150 mL/ha		Rates vary according to stages of growth. For low volume application use sufficient water to give adequate cover at 3 to 4 week intervals after opening rains.
	Spotted Alfalfa Aphid	NSW, WA, SA & Vic only	550 mL/ha		Apply when insect appears. Use sufficient water to give thorough coverage.
Mosquito resting sites, breeding grounds and other areas	Adult mosquitoes	WA & NT only	300 mL/ha	-	Apply preferably at dusk without dilution through aircraft using ULV spray application equipment.
			Fogging 200 to 300 mL/ha		For areas of sparse cover use the lower rate. For areas of dense cover use the higher rate. COLD FOGGERS (Leco, Beeco): Use undiluted. THERMAL FOGGERS (Pulsfog, Swingfog): Use 200 to 300 mL/10L of diluent per hectare. Diluents: Diesel distillate or power kerosene. Dilution rate depends on machine output, speed and swath width. Consult the operator manual for further details.
Onions	Onion thrip (<i>Thrips tabaci</i>)	SA, Vic, WA & NT only	85 mL/100 L water	3 days	Apply at first sign of infestation. Repeat each 10 days or as necessary.
Ornamentals (Flowers & Shrubs)	Aphids, Azalea lace bug (<i>Stephanitis pyrioides</i>), Caterpillars, Thrips Scale insects on hardy plants	SA, NSW, Vic, Tas, WA & NT only	60 mL/100 L water	-	Apply when pest first appears and repeat if necessary.
			100 mL/100 L + 1.3 L summer oil per 100 L water		
Pastures (Plus Cereals and non-crop areas)	Black Field Cricket (<i>Teleogryllus commodus</i>)	SA, Vic, Tas, WA & NT only	BAIT 125 mL/10 kg kibbled grain/ha. Use clean wheat, barley or oats. Do not use dusty grain.	1 day	IMMATURE CRICKETS: Mix in a drum or cement mixer. It is not necessary to leave treated grain standing to absorb Fyfanon as it is absorbed rapidly and can be used immediately after treatment.
			BAIT 125 to 250 mL per 10 to 20 kg kibbled grain/ha. Use clean wheat, barley or oats. Do not use dusty grain.		MATURE CRICKETS Mix in a drum or cement mixer. It is not necessary to leave treated grain standing to absorb Fyfanon as it is absorbed rapidly and can be used immediately after treatment. Treated grain remains active for 4 to 6 weeks. Any excess grain therefore will be available to kill moderate numbers of re-invading crickets. Higher baiting rates (20 kg/ha) should be used where populations are dense, where plentiful alternative feed exists, or when the extra expense is considered a small premium to pay for greater certainty of control. Spread late in the afternoon or evening when early in the season, and in the morning late in the season. Baiting may fail if large quantities of pasture seed are present.
Pastures (Plus Cereals and non-crop areas) contd.	Australian Plague Locust (<i>Chortoicetes terminifera</i>) Large Hoppers Plague Locust Small Hoppers	NSW, SA, WA & NT only Vic only	850 mL/ha		GROUND APPLICATION ONLY BOOM: Apply in 110 L water/ha MISTING: Apply in 2.5 L water/ha. Repeat application as necessary.
			1.1 L/ha		
			600 mL/ha		
		Vic only	1.1 L/ha		
Pastures (Medic)	Spotted Alfalfa Aphid (<i>Therioaphis trifolii</i>)	NSW, WA & SA only	550 mL/ha		Apply when aphids appear. Use sufficient water to ensure thorough coverage.
Peas	Pea weevil (<i>Bruchus pisorum</i>)	SA, Vic, WA & NT only	625 mL/ha	3 days	Spray when first flowers begin to wither. Do not add water. Use undiluted through calibrated spray equipment designed for ultra low volume application.
Pome Fruit (apples & pears)	Apple leaf hopper (<i>Typhlocyba froggatti</i>), Codling moth (<i>Cydia pomonella</i>), Thrips, Woolly aphid (<i>Eriosoma lanigerum</i>)	NSW, Vic, SA, Tas, WA & NT only	60 mL/100 L water	3 days	Apply when pests first appear or apply every 10 to 14 days from 2 weeks after full bloom. Wet trees thoroughly.
Rice	Rice Bloodworm larvae (<i>Chironomus tepperi</i>)	NSW & WA only	300 mL/ha	-	Premix in at least an equal volume of water and apply the product in 10 to 30 litres of water per hectare by aircraft to rice bays at sowing time or within 24 hours of sowing or when infestations occur after the application of permanent water.
Rice Seed			Apply 300 mL to the quantity of seed required to sow one hectare.		Apply only to pregerminated rice seed prior to aerial sowing. Dilute the 300 mL of product in 750 mL to 1 litre of water. Just prior to sowing pour the diluted solution evenly over the pregerminated rice seed in the aircraft hopper or in the hopper of the aircraft loading auger. Ensure thorough mixing. Do not sow treated seed outside the boundaries of the flooded rice field. Treated seed must not be used for human and/or animal consumption.

Crop/ Situation (cont)	Pest	State	Rate	WHP	Critical Comments
Stone fruit	Black cherry aphid, Black peach aphid (<i>Brachycaudus persicae</i>), Green peach aphid (<i>Myzus persicae</i>), Oriental fruit moth (<i>Cydia molesta</i>)	SA, NSW, Vic, Tas, WA & NT only	60 mL/100 L water	3 days	Apply when pest first appears or apply every 10 to 14 days from blossoming. Wet trees thoroughly.
Sunflower	Rutherglen Bug (<i>Nysius vinitor</i>)	SA, Vic, WA & NT only	550 mL/ha	-	Spray at bud stage for Sunflowers. Apply by aircraft or with suitable ground equipment.
Tobacco - Field - Seed bed	Small plague grasshoppers (<i>Austroicetes cruciata</i>) Vegetable weevil (<i>Listroderes obliquus</i>)	WA & Vic only	50 mL/100 L water	-	Apply when pest first appears and repeat if necessary.
Tomatoes	Tomato russet mite (<i>Aculops lycopersici</i>)	SA, NSW, Vic, Tas, WA & NT only	60 to 100 mL/100 L water	3 days	Apply when pest first appears. Adequate coverage is essential in later growth stages of these crops and rate and volume should be increased to give additional cover.
Vegetables (Beans, cabbage, carrots, cauliflowers, celery, lettuce, tomatoes)	Aphids, Cabbage moth (<i>Plutella xylostella</i>), Cabbage white butterfly (<i>Pieris rapae</i>), Green vegetable bug (<i>Nezara viridula</i>), Jassids, Leaf hoppers, Rutherglen bug (<i>Nysius vinitor</i>), Thrips				



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

WITHHOLDING PERIODS

Cereals, lucerne, pastures, forage crops: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 1 DAY AFTER APPLICATION

Fruit, vegetables: DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION

GENERAL INSTRUCTIONS

FYFANON is a contact insecticide and only partial control will be achieved if insects are protected from spray by dense foliage or if spray coverage is inadequate. All vehicles should be removed from areas to be sprayed as paintwork may be damaged.

INSECTICIDE RESISTANCE WARNING

GROUP 1B INSECTICIDE

For insecticide resistance management Fyfanon 1000 EC Insecticide is a Group 1B insecticide. Some naturally occurring insect biotypes resistant to Fyfanon 1000 EC 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 Fyfanon 1000 EC Insecticide or other Group 1B insecticides are used repeatedly. The effectiveness of Fyfanon 1000 EC Insecticide on resistant individuals could be significantly reduced. Since the occurrence of resistant individuals is difficult to detect prior to use, Ospray Pty Ltd accepts no liability for any losses that may result from the failure of Fyfanon 1000 EC Insecticide to control resistant insects. Fyfanon 1000 EC Insecticide may be subject to specific resistance management strategies. For further information contact your local supplier, Ospray Pty Ltd representative or local agricultural department agronomist.

MIXING

When mixing this product with water, good tank agitation must be maintained throughout the mixing and spraying operation.

APPLICATION

For high volume application on vegetables and row crops apply approximately 1000 litres of water/ha. For tree crops apply approximately 2000 Litres of water/ha. Apply in high volume, low volume or through mister or aircraft spray equipment. Thorough uniform coverage is essential for effective insect control.

This product may be diluted with diesel distillate and used through thermal fogging machines, or it can be applied undiluted by aircraft or suitable ground equipment designed for ultra low volume application.

COMPATIBILITY

This product is compatible with summer spraying oil which may be added at a rate of 1.3 L/100 Litres of water when recommended.

PROTECTION OF LIVESTOCK

Dangerous to bees. DO NOT spray on any plants in flower while bees are foraging. DO NOT spray over or upwind of beehives. Remove bees from the area before blanket spraying. DO NOT place baits in locations which are accessible to domestic animals, livestock or birds. DO NOT feed treated grain to animals including poultry.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT apply under meteorological conditions or from spraying equipment which could be expected to cause spray to drift onto adjacent areas, particularly wetlands, waterbodies or watercourses. Dangerous to fish and aquatic invertebrates. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

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