

HARMFUL, ECOTOXIC

KEEP OUT OF REACH OF CHILDREN

fyfanon[®]
440EW

Organophosphate Insecticide

Active Ingredient:

Contains 440g/litre MALDISON in the form of an emulsion in water.

To control many insect pests in horticultural and agricultural crops.

NET CONTENTS 10 LITRES



Distributed by Zelam Ltd
Hudson Rd, New Plymouth, NZ Tel: 06 755 9234
Item number
Emergency Phone 0800 CHEM CALL 0800 243 6225

Registered pursuant to the ACVM Act 1997, No. P8040
See www.nzfsa.govt.nz/acvm/ for registration conditions
Approved pursuant to the HSNO Act 1996, Approval Code HSR100129
See www.ermanz.govt.nz for approval conditions



fyfanon 440EW

PLEASE READ THE ENTIRE LABEL BEFORE USE

HAZARDCLASSIFICATION: 6.1D, 6.3B, 6.4A, 6.8B, 6.9A, 9.1A, 9.3B, 9.4A

APPROVED HANDLER

This product must be under the control of an approved handler during use.

This product must not be used for any purpose or in any manner, contrary to this label, unless authorised under appropriate legislation.

RECORD KEEPING: Records of use as described in NZS 8409 Management of Agrichemicals and details of measures to ensure no adverse effects beyond the boundary of the treatment area must be kept.

NOTIFICATION: For wide-dispersive applications the product must not be applied unless written notice of the proposed applications has been given to any person likely to be directly affected by the application, including occupiers and owners of land, dwellings or buildings or property that is immediately abutting the application area. The notice must be given at least 2 working days but no more than 4 weeks in advance of each application and

Specify: the location of the application area; the date and approximate duration of each application; the steps to be taken by the notified parties to avoid exposure; the name of the organisation/s undertaking the application; contact details for the person in charge of the application (phone, email or postal address, including a contact number for immediate contact during application).

WARNING: This substance may be harmful if swallowed, inhaled or absorbed through the skin. May cause skin and eye irritation, avoid contact with skin and eyes

DANGER: May cause heritable genetic defects in human cells, reproductive or developmental damage or organ damage from repeated oral exposure at high doses.

FIRST AID: If swallowed do NOT induce vomiting. For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If splashed in eyes, wash out immediately with water.

PERSONAL PROTECTION: Avoid skin and eye contact and inhalation of spray mist. When mixing, loading, spraying or re-entering treated areas within re-entry interval, wear full personal protective equipment (PPE): chemical resistant coveralls, gloves, footwear plus socks, and headgear for overhead exposure; protective eyewear; respiratory protective equipment to protect against respiratory exposure to mist and vapours. (PPE is not required where application is from a vehicle and the applicant is operating the vehicle from within a fully enclosed cab equipped with protective equipment to prevent contact with and inhalation of the substance.) Do not eat, drink or smoke while using. Wash splashes of concentrate from skin immediately. Remove protective clothing and wash hands and face thoroughly before meals and after work. Wash protective clothing daily after work.

ECOTOXIC: Very toxic to aquatic organisms. Avoid contamination of any water supply with product or empty container.

Very toxic to terrestrial invertebrates and terrestrial vertebrates.

Very toxic to bees – spray must not contact plants in flower if they are likely to be visited by bees.

Leaf injury may occur on sweet cherries, cucurbits and ferns.

SPRAY DRIFT MITIGATION: The person applying this substance must not cause adverse effects beyond the boundary of the treated property, and must also avoid adverse effects from spray drift occurring. Mitigation measures employed must be recorded as part of the application records.

EQUIPMENT: Apply using well maintained and accurately calibrated spray equipment.

STORAGE: Store in original container, tightly closed and in a locked, dry, cool area away from sources of ignition and foodstuffs. Store in accordance with NZS 8409 Management of Agrichemicals.

SHELF LIFE: When stored appropriately this product should show no significant degradation for 2 years from date of manufacture. Contact your supplier for further information about the use of any product older than this.

DISPOSAL: Triple rinse container and add rinsate to the spray tank. Return empty container to Agrecovery Depot or crush and bury in a suitable landfill. Dispose of product only by using according to the label, or at an approved disposal facility.

SPILLAGE: Wear appropriate protective clothing. Extinguish all ignition sources, exclude all bystanders from the vicinity of the spill, and prevent material from entering waterways or coming into contact with class 1, 2, 3.2, 4 and 5 substances. Contain liquid spills and absorb with inert material and place in waste containers. Wash area with water and absorb with further inert material. Dispose of waste safely in an approved landfill.

TRANSPORT: Do not carry this product on a passenger service vehicle.

MATERIAL SAFETY DATA SHEET: Additional information is listed in the MSDS available from Zelam Limited or www.zelam.com.

Approved pursuant to the HSN0 Act 1996, Approval Code HSR100380.

See www.epa.govt.nz for approval conditions.

Registered pursuant to the ACVM Act 1997, No. P008240. See www.foodsafety.govt.nz for registration conditions.

MANUFACTURERS WARRANTY AND EXCLUSION OF LIABILITY

Cheminova (NZ) Limited has no control over storage, handling and manner of use of this product. Where this material is not stored, handled or used correctly in accordance with directions, no express or implied representations or warranties concerning this product (other than non-excludable statutory warranties) will apply. Cheminova (NZ) Limited accepts no responsibility for any loss arising from incorrect storage, handling or use.

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141 Powderham St, New Plymouth City Centre,
New Plymouth, Taranaki 4310 New Zealand

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* Trademark

Batch No:

Date of Manufacture:



BARCODE

CHM003MM

DIRECTIONS FOR USE

It is an offence to use this product on animals.

FRUIT CROPS

NOTE: The rates suggested are for high volume spraying to run-off. For concentrate spraying adjust dilution rate accordingly.

CROP	INSECT	RATE	CRITICAL COMMENTS
Avocados	Thrips	340ml per 100 litres of water. Use no more than 10.2 litres/Ha	Apply when threshold is exceeded. Repeat in 1 month if necessary with a maximum 2 applications per crop cycle. Use correctly calibrated ground spraying equipment. For large trees where this may not achieve full coverage to the top of the trees, consider aerial application in combination with ground based spraying.
Grapes	Mealy bug, thrips	230-340ml per 100 litres of water. Use no more than 10.2 litres/Ha	For mealy bug, first spray at bud swelling. A second spray may be made if required, with a maximum 2 applications per crop cycle. NB: See WARNING under 'Orchards'.
Orchards: Citrus Pipfruit and Stonefruit	Aphids, leaf hoppers, mealy bug, pear and cherry slug, scale insects, thrips	230-340ml per 100 litres of water. Use no more than 10.2 litres/Ha	Restricted to a single application per crop cycle. Apply as a close to harvest 'clean up' spray. Citrus: For control of mealy bug and scale insects combine with a suitable spraying oil at label rates. WARNING: Russet may occur on smooth skinned fruits. To minimise risk apply alone under rapid drying conditions.

FIELD CROPS, PASTURE and VEGETABLES

NOTE: Use the higher rate of water per hectare for spraying dense pastures or crops. Use no more than 10.2 litres/ha.

CROP	INSECT	RATE	CRITICAL COMMENTS
Field crops: Cereals (including Maize), Lucerne, fodder crops (brassicac and beets)	Aphids, Caterpillars	3.4 litres/ha	Apply in 200-450 litres of water per hectare and repeat if necessary with a maximum 2 applications per crop.
	Springtails	680ml/ha	Apply in 200-450 litres of water per hectare 1-2 days before crop emergence or at the first signs of crop damage. Do not cultivate treated ground.
	Lucerne flea, red-legged earth mite	340-450ml/ha	Apply in 200-450 litres of water per hectare. Use higher rates for red-legged earth mite. Repeat in 2-3 weeks.
Pasture	Black field crickets	Soak 11kg wheat in 340ml Fyfanon 440EW. Allow to dry and spread over 1 hectare	Apply when crickets first appear. Repeat if necessary with a maximum 2 applications per crop. Treated seed must be dyed green to prevent it being eaten by birds. Containers holding treated seed must be labelled 'Not for human consumption or stock or poultry food'.
Vegetables	Aphids, leaf hoppers, thrips	230-340ml per 100 litres of water or 2.3 litres per hectare.	Spray at first sign of pest and repeat if necessary with a maximum 2 applications per crop.
	White butterfly and diamond back moth caterpillars	3.4 litres/ha	Apply in 1000 litres of water per hectare. Spray at first appearance and repeat after 7 days, with a maximum 2 applications per crop.

GRAIN STORAGE PESTS

NOTE: Improved handling and storage hygiene will significantly reduce the likely incidence of infestation. Where infestation continues to persist application of Fyfanon 440EW to stored grain is suggested.

CROP	RATE	CRITICAL COMMENTS
Grain stores and silos	570ml per 10 litres of water	Thoroughly clean stores and silos of all left over grain and trash. Apply to walls, floors, machinery etc. Optimum efficacy will be obtained by spraying 3-7 days before refilling the store with grain.
Stored grain	18ml/T dry grain	Apply in 400-1000ml water per Tonne of dry grain as it is being loaded or turned into final storage via low pressure sprayer. Ensure thorough even distribution by directing the spray on to the grain as it falls into the auger hopper or on to the conveyor belt.

FLY CONTROL

CROP	RATE	CRITICAL COMMENTS
Public Health: dumps, tips, compost heaps	230ml per 10 litres of water.	Apply as a drench wherever flies breed and congregate. The addition of 250g sugar will act as a bait.

MIXING: Add the correct quantity of Fyfanon 440EW to water in the spray tank and agitate.

It is an offence for users of this product to cause residues exceeding the relevant MRL in the New Zealand (Maximum residue Limits of Agricultural Compounds) Food Standards.

WITHHOLDING PERIODS:

Fruit, vegetables, pasture, fodder beet, fodder brassicas - 7 days.

Cereals (including maize), sweetcorn, lucerne - 14 days.

Grains (post-harvest) - Nil.

RE-ENTRY INTERVAL

DO NOT re-enter treated crop for 24 hours after application.

COMPATIBILITY: Fyfanon 440EW is compatible with most pesticides except Bordeaux mixture, hydrated lime or lime sulphur.

RESISTANCE MANAGEMENT:

GROUP	1	INSECTICIDE
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Fyfanon contains an organophosphate insecticide with the acetylcholine esterase inhibition mode of action. Naturally occurring members of a pest population may become resistant to Fyfanon and related insecticides following repeated use. These resistant populations may dominate and cause field failure. To minimise this risk use strictly in accordance with this label and utilise products from alternative mode of action groups at other times where possible. Follow any resistance management guidelines that may exist for any insect pests listed on this label. See www.resistance.nzpps.org for further information.