



Fyfanon® 440EW



HARMFUL

KEEP OUT OF REACH OF CHILDREN

ECOTOXIC

ACTIVE INGREDIENT:

Contains 440 g/Litre malidison in the form of an oil in water emulsion.

CONTENTS:

10 L, 20 L

GROUP **1B** INSECTICIDE

Broad-spectrum organophosphate insecticide to control many insect pests in horticultural and agricultural crops.

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.

PLEASE READ THE ENTIRE LABEL BEFORE USE

Approved pursuant to the HSNO 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.



HAZARD CLASSIFICATION: 6.1D, 6.3B, 6.4A, 6.5B, 6.8B, 6.9A, 9.1A, 9.2B, 9.3B, 9.4A

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. May cause an allergic skin reaction.

DANGER: Suspected of damaging fertility or the unborn child from repeated oral exposure at high doses. May cause organ damage from prolonged or repeated oral exposure at high doses.

Ecotoxic: Very toxic to aquatic organisms with long lasting effects. Avoid contamination of any water supply with product or empty container. Avoid release to the environment. Very toxic to terrestrial invertebrates and terrestrial vertebrates.

Bee Safety: TOXIC TO BEES.

DO NOT apply substance to plants if—

- (i) Bees are foraging; or
- (ii) The plants are in flower or part flower and are likely to be visited by non-target invertebrate pollinators (including bees).

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

HANDLING PRECAUTIONS

Keep out of reach of children. Read label before use. This product must not be used for any purpose or in any manner, contrary to this label, unless authorised under appropriate legislation.

APPROVED HANDLER

The person mixing or applying Fyfanon® 440EW must be a “Qualified Contractor” or a “Qualified Person” or a person under their guidance. The spray mixture may also be prepared by a “Qualified Loader” or by a person under their guidance.

RECORD KEEPING:

Written records must be kept when, 3 L or more of Fyfanon® 440EW is applied or discharged within 24 hours in an area where it may enter air or water and leave the application area. The records must comply with the Hazardous Substances (Hazardous Property Controls) Notice 2017 and NZS 8409 - Management of Agrichemicals. Records must be retained for at least three years.

PERSONAL PROTECTION:

Avoid skin and eye contact and inhalation of spray mist. When opening the container and preparing the product for use and using the product, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length PVC gloves. 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. **DO NOT** eat, drink or smoke while using this product.

If re-entry is required into treated areas of application of Fyfanon® 440EW personal protective equipment shall be worn. Public access shall not be permitted into treated areas.

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. Stores containing more than 100 L require secondary containment, are subject to signage, and require emergency response plans.

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.

EQUIPMENT

Apply using well maintained and accurately calibrated spray equipment.

DISPOSAL:

Container disposal: Triple rinse empty container adding rinsate to the spray tank. Recycling rinsed container through Agrecovery (0800 247 326, www.agrecovery.co.nz). Otherwise crush or puncture and bury in an approved landfill. **DO NOT** reuse container for any other purpose. Dispose of this product only by using according to this label. Always follow local Authority requirements.

SPILLAGES:

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

It is an offense to use this product on animals.

DIRECTIONS FOR USE: FRUIT CROPS

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

CROP	PEST	RATE	CRITICAL COMMENTS
Avocados	Thrips	340 mL per 100 Litres of water	Apply when threshold is exceeded. Repeat monthly as required.
Grapes	Mealy bug, thrips	230-340 mL per 100 Litres of water	For mealy bug, first spray at bud swelling. Spray as required. NB: See WARNING under 'Orchards'.
Orchards: Citrus Pipfruit and Stonefruit	Aphids, leaf hoppers, mealy bug, pear and cherry slug, scale insects, thrips	230-340 mL per 100 Litres of water	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.

DIRECTIONS FOR USE: FIELD CROPS, PASTURE and VEGETABLES

NOTE: Use the higher rate of water per hectare for spraying dense pastures or crops.

CROP	PEST	RATE	CRITICAL COMMENTS
Field crops	Aphids, Caterpillars	3.4 Litres/ha	Apply in 200-450 Litres of water per hectare and repeat as necessary.
	Springtails	680 mL/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	340-450 mL/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 340 mL Fyfanon® 440EW. Allow to dry and spread over 1 hectare	Apply when crickets first appear. Repeat as necessary. 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	230-340 mL per 100 Litres of water or 2.3 Litres per hectare.	Spray at first sign of pest and repeat as necessary.
	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 every 7 days.

DIRECTIONS FOR USE: 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.

SITUATION	RATE	CRITICAL COMMENTS
Grain stores and silos	570 mL 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	18 mL/T dry grain	Apply in 400-1000 mL 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.

DIRECTIONS FOR USE: FLY CONTROL

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

WITHHOLDING PERIODS

It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Levels for Agricultural Compounds.

Fruit, Vegetables and Cereals Fruit, vegetables, cereals, sweetcorn - 3 days; Pasture, lucerne, fodder crops, maize - 7 days.

MIXING

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

COMPATIBILITY

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

RESISTANCE MANAGEMENT:

GROUP 1B INSECTICIDE

Fyfanon® 440EW is a Group 1B insecticide. Some naturally occurring insect biotypes resistant to Fyfanon® 440EW 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® 440EW or other Group 1B insecticides are used repeatedly. The effectiveness of Fyfanon® 440EW on resistant individuals could be significantly reduced. See www.resistance.nzpps.org for more information.

SAFETY DATA SHEET

Additional information is listed in the SDS available from FMC New Zealand Limited or www.fmccrop.nz

NOTICE TO BUYER

FMC warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use of application, all of which are beyond the control of FMC. To the extent permitted at law FMC shall not be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the buyer.

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