

FYFANON 440 EW

Registration No. / Registrasie nr. L9484 Act / Wet 36 of/van 1947

An oil in water emulsion contact and stomach insecticide for the control of pests as indicated.	'n Olie in water emulsie kontak en maag insekmiddel vir die beheer van plae soos aangedui.
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INSECTICIDE GROUP CODE	1B	INSEKDODERGROEPKODE
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Active ingredient:

Mercaptothion (organophosphate) 440 g/l Merkaptotion (organofosfaat)

Aktiewe Bestanddeel:

Net volume ℓ Netto volume

Registered by / Geregistreer deur:

FMC Chemicals (Pty) Ltd
Post Box 44
Postnet Menlyn
Waterkloof Glen
0181

**For any emergency or poisoning contact:
Griffon Poison Information Centre (24 hrs)
+27-(0)-82-446-8946**

Batch Number		Lotnommer
Date of Manufacture		Vervaardigingsdatum

UN number/ VN nommer: 3082

		CAUTION VERSIGTIG		
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WARNINGS:

DO NOT HARVEST THE CROP OR FEED PLANT MATERIAL TO ANIMALS BEFORE THE FOLLOWING MINIMUM INTERVAL HAS ELAPSED AFTER THE LAST APPLICATION.

Crop	Minimum Number of Days
Tomatoes	1
Peppers	3
Beans, citrus, cruciferae, cucurbits, granadillas	7
Peaches, plums, apricots, apples, pears, guavas	10

NOTE: Compliance with these withholding periods will ensure that residues do not exceed local Maximum Residue Limits, but the import tolerances of other countries might possibly be exceeded. If the crop to be treated is intended for export, consult the relevant importer or exporting body regarding the use of this product, the Maximum Residue Limits and recommended withholding periods.

- Handle with care
- Toxic to fish and bees
- Store in a cool, dry place away from food and feed.
- Keep out of reach of children, uninformed persons and animals.
- **Re-entry:** do not enter treated orchards within 24 hours of spraying without wearing protective clothing.

Although this remedy has been extensively tested under a large variety of conditions the registration holder does not warrant that it will be efficacious under all conditions because the action and effect thereof may be affected by factors such as abnormal climatic and storage conditions; quality of dilution water; compatibility with other substances not indicated on the label and the occurrence of resistance of insects against the remedy concerned as well as by the method, time and accuracy of application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation, the environment or harm to man or animal or for lack of performance of the remedy concerned due to failure of the user to follow the label instructions or to the occurrence of conditions, which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

PRECAUTIONS:

- Do not eat drink or smoke whilst handling this product.
- Prevent contamination of food, feed, drinking water and eating utensils.
- Wear rubber gloves and a face shield or suitable mask and goggles when handling the product. In the case of accidental contact with eyes and skin, flush the eyes out at once and wash it off the skin at once. If spilt on clothes, change and wash them. Wash with soap and water after use or accidental skin contact.
- While spraying, avoid contact with the spray as much as possible and do not inhale fumes or spray mist.
- Avoid spray drift onto other crops, grazing, rivers or dams or areas not under treatment.
- Clean applicator thoroughly after use and dispose of wash water where it will not contaminate crops, grazing, rivers or dams.
- After spraying change and wash work clothes daily and wash yourself.
- **TRIPLE RINSE** the empty container as follows: Invert the empty container over the spray or mixing tank and drain for at least 30 seconds after the flow has slowed down to dripping. Thereafter rinse the empty container three times in succession with one quarter of the container volume fresh water and decant the rinsate into the spray or mixing tank. Puncture the triple rinsed container and dispose of via an approved collector or recycler (www.croplife.co.za). Do not bury, burn or donate the container to any other parties that may use it as a container for food or beverages.

DIRECTIONS FOR USE: Use only as indicated.

MIXING INSTRUCTIONS: pH of the spray water

- The efficacy of **FYFANON 440 EW** may be adversely affected by water high in solutes (hard water > 1000 ppm) and a high pH value. Optimal efficacy is achieved in water of pH 4,5 - 5,5. If the spray water is outside that range it should be buffered to that level with a suitable registered buffering agent that is added to the spray tank before adding the **FYFANON 440 EW**.
- Use the spray mixture without delay and do not allow to stand for prolonged periods.

APPLICATION:

Ensure that application equipment is fully operational and correctly calibrated before commencing with the spray programme.

Calculate the quantity of spray mixture needed to wet the trees thoroughly at full leaf cover by using the Tree Row Volume (TRV) formula –

$$\text{Water requirement } \ell/\text{ha} = \frac{\text{Tree height} \times \text{tree diameter} \times 937}{\text{Row width}}$$

The TRV is the water volume required when the trees are in full leaf. Adjust the volume to be applied according to the growth stage of the orchard according to the following table;-

Growth stage (GS)	% of the High Volume water requirement depending on GS
Greentip to 30% blossom	60%
Full blossom to middle November	80%
Start December	100%

Use the water volume required per hectare to calculate the amount of NOVATION required in the spray mixture then apply the mixture as a full cover High Volume (1,500 – 3,000 ℓ/ha) spray and ensure thorough coverage of the total tree including the top part.

COMPATIBILITY:

This product will be incompatible with alkaline based products

RECOMMENDATIONS:

CROP / DISEASE	DOSAGE / 100 ℓ Water	REMARKS
CITRUS Red Scale (<i>Aonidiella aurantii</i>)	340 mℓ	Use for light infestation. Apply at 80-100 % petal drop as a full cover spray. Spray mature trees once and if necessary, usually in the case of young trees, apply a second application 6-8 weeks later.
CITRUS Aphid (<i>Toxoptera citricida</i>)	340 mℓ	Apply as a high volume full cover spray to new growth when aphids appear.
CITRUS Mealy bug (<i>Planococcus citri</i>)	340 mℓ	Apply as a high volume full cover spray when the pest appears. Repeat the application 2-3 weeks later.
NOTE: Will also control Soft brown scale, Mussel scale, Thrips and Australian bug if present.		
CITRUS Fruit fly (<i>Ceratitidis capitata</i>)	200 mℓ + 8kg sugar or 500 mℓ protein hydrolysate	Apply the bait as a coarse droplet spray in 200-300 liters spray mixture/ha. Treat every row or tree on at least one side. Repeat applications on a weekly basis and after rain. <u>Protein hydrolysate:</u> To ensure optimum attraction of fruit flies, the rate is based on a minimum of 800-1000 mℓ protein-based product/ha.

CROP / DISEASE	DOSAGE / 100 ℓ Water	REMARKS
BEANS Aphids Thrips	140 mℓ 200 mℓ	Apply as a full cover spray Apply as a full cover spray. Repeat after 10-14 days.
PEPPERS Aphids Thrips	140 mℓ 200 mℓ	Apply as a full cover spray. Will also control Astylus beetle. Apply as a full cover spray. Will also control Astylus beetle and aphids.
TOMATOES Aphids Thrips	140 mℓ 200 mℓ	Apply as a full cover spray when pest is noticed and repeat application if necessary. Apply as a full cover spray when required.
APPLES & PEARS Aphids, Bryobia mite Woolly aphid Mealy bugs	140 mℓ 140 mℓ	Apply as a full cover spray when pest appears Apply as a full cover spray and repeat when necessary. It is recommended that no more than 3 sprays are applied in a season.
STONE FRUIT Aphids Bryobia mite Mealy bug	140 mℓ 140 mℓ 140 mℓ	Apply as a full cover spray Apply as a full cover spray when pest appears Apply as a full cover spray. Repeat 2-3 times at 2-3 week intervals. It is recommended that no more than 3 sprays are applied in a season.
CRUCIFERAE Diamond Back Moth and Greater cabbage moth caterpillars	280 mℓ	Apply as a full cover spray when an infestation occurs. Ensure that the undersides of leaves are covered by the spray. Repeat when necessary. This treatment will also control aphids.

<p>CUCURBITS</p> <p>Ladybirds</p> <p>Pumpkin flies</p>	<p>140 mℓ</p> <p>200 mℓ + 8kg sugar</p>	<p>Apply when required and ensure that the undersides of leaves are wetted. Do not apply when the plant surfaces are wet.</p> <p><u>Bait treatment</u>: Apply when the first flowers appear as a coarse droplet spray in 35-40 ℓ spray mixture /ha and continue until fruit matures. On small plots repeat sprays twice a week and on larger plots repeat weekly. Repeat sprays after rain.</p>
<p>GRANADILLAS</p> <p>Pumpkin flies</p> <p>Thrips</p> <p>Red scale, Circular purple scale, Soft scale, White scale</p>	<p>200 mℓ + 8 kg sugar</p> <p>200 mℓ</p> <p>280 mℓ</p>	<p>Apply as a coarse droplet spray twice a week.</p> <p>Apply when the pest appears</p> <p>Apply as a full cover spray as necessary</p>
<p>GUAVAS</p> <p>Scale</p>	<p>280 mℓ</p>	<p>Apply as a full cover spray when the pest occurs.</p>