

ACARICIDE / INSECTICIDE



DYNAMEC[®]

An emulsifiable concentrate containing 18 g/l abamectin (1.84% w/w)
with cyclohexanol

For control of two-spotted spider mite and Western Flower Thrips in protected and outdoor flower crops and other ornamentals; two-spotted spider mite and leaf miner (*Liriomyza bryioniae*) in protected tomatoes and two-spotted spider mite and Western Flower Thrips in protected cucumbers.

Product registration number: **MAPP 13331**

(PCS No 02640)

Unique mode of action.

Contact and translaminar activity giving outstanding control of mites, leafminers and thrips.

Surface residues break down rapidly in sunlight allowing introduction of beneficial insects and mites.

Excellent product for clean up at the beginning and end of the season.

fargro[®]

Fargro Ltd
Toddington Lane
Littlehampton
West Sussex
BN17 7PP
Tel: 01903 721591
Fax: 01903 730737
www.fargro.co.uk

ALWAYS READ THE LABEL. USE PESTICIDES SAFELY

DYNAMEC

- Works in three ways making it a very effective acaricide and insecticide.
- Most effective when ingested by the pest.
- Translaminar activity means that DYNAMEC penetrates the leaf to reach the underside of the leaves.
- Offers residual control of Leaf Miner and Western Flower Thrip as well as Two-spotted Spider Mite on the upper and lower surface of leaves.
- There is also a potent contact action giving quick immobilisation of the pest.
- The active ingredient abamectin is a naturally derived product of the soil actinomycete *Streptomyces avermitilis*.

The following text is taken from the approved product label:

DIRECTIONS FOR USE

IMPORTANT: This information is approved as part of the Product Label. All instructions within this section must be carefully read in order to obtain safe and successful use of this product.

RESTRICTIONS

Safety to pollinating bumble bees and use in IPM programmes:

In tomato crops where bumble bees are used as pollinators, it is recommended that the bees are kept out of the crop for 24 hours after treatment with DYNAMEC.

There is insufficient evidence to support the compatibility of DYNAMEC with biological pest-control programmes.

PESTS CONTROLLED

DYNAMEC is an emulsifiable concentrate containing 18g/ litre abamectin (1.8% w/w).

For the control of two-spotted spider mite (*Tetranychus urticae* - adults and immature stages), the larval stages of leaf miners (*Liriomyza bryioniae* only) and the nymphs of Western Flower Thrips (*Frankliniella occidentalis*), plus a useful reduction in adults.

DYNAMEC may be used in protected and outdoor flower crops, other ornamentals and in protected tomatoes and cucumbers.

DYNAMEC is slow-acting and, although pests become immobilised soon after exposure, between 3 and 5 days may be required to achieve maximum mortality.

CROP SPECIFIC INFORMATION

PROTECTED AND OUTDOOR FLOWER CROPS

DYNAMEC may be used to control two-spotted spider mite and Western Flower Thrips in these crops at any time of year.

The total number of applications per crop is not restricted, but it is good practice to rotate DYNAMEC with other products.

PROTECTED TOMATOES AND CUCUMBERS

DYNAMEC may be used to control two-spotted spider mite and leaf miner (*Liriomyza bryioniae*) in tomatoes and two-spotted spider mite and Western Flower Thrips in cucumbers.

DYNAMEC may be applied to seedling tomatoes and cucumber crops which have not started to flower or set fruit, at any time of year.

Only apply to crops which are in flower or have started to set fruit during the period 1st March to 31st October. **Do not apply** to flowering or fruiting crops during the period 1st November until the end of February.

DYNAMEC is not approved for use on cherry tomatoes.

DYNAMEC is not approved for control of leaf miner on cucumbers.

Maximum number of applications:

6 per crop (only 4 of which can be made when the flowers or fruit are present).

CROP SAFETY

DYNAMEC has been tested for safety on a range of edible, flowering and ornamental crops. The product has been shown to be safe to most plant types treated. However before using DYNAMEC on any new varieties not previously tested, it is recommended that a small area is sprayed first to be certain no phytotoxicity occurs.

Further information on plant species tested is available from Syngenta Bioline.

Do NOT use on ferns e.g. *Adiantum* spp.

Do NOT treat Shasta daisies.

Some spotting or staining may occur on carnation, kalanchoe and begonia foliage.

APPLICATION TIMING

Two-spotted spider mite:

Apply as soon as mites are seen, preferably before leaf damage becomes apparent or 'webbing' has occurred. If required a repeat application may be made 7 days later. It is advisable not to make more than two sequential applications without changing to a product with a different mode of action.

***Liriomyza bryioniae* leaf miner:**

Apply as soon as the first feeding marks or evidence of mines are observed and repeat every 7 days. It is good practice to rotate the use of DYNAMEC with other suitable insecticides where a persistent problem occurs.

Western Flower Thrips:

Apply as soon as the first nymphs are seen in the crop. A programme of several sprays (usually 2 or 3) 7 days apart is required to achieve control. Where a persistent problem occurs, DYNAMEC treatment should be

rotated with other insecticides suitable for controlling this pest.

DOSE RATES

Two-spotted spider mite

25 ml DYNAMEC per 100 litres of water.

Western Flower Thrips and leaf miner

50 ml DYNAMEC per 100 litres of water.

MIXING AND SPRAYING

Half fill the spray tank with clean water. Add the required quantity of DYNAMEC to the tank and complete filling. Agitate the tank thoroughly and use immediately.

Do not leave spray liquid in the sprayer for long periods e.g. during meals or overnight.

Thoroughly wash all application equipment with water immediately after use.

SPRAY VOLUME

Thorough coverage of all plant surfaces is necessary for the best results, but avoid run-off.

APPLICATION EQUIPMENT

Application indoors should be made through a hydraulic nozzle applicator e.g. motorised sprayer with hand lance, or a knapsack applicator.

Outdoors, suitable high volume hydraulic nozzle applicators should be used.

COMPATIBILITY

Consult Syngenta Bioline for the latest approved tank-mix recommendations.

Do not mix with wetters, stickers or other authorised adjuvants.

MEDICAL ADVICE

Inhalation: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth.

Skin: Wash with plenty of water.

Eyes: Flush with plenty of water.

Get medical attention in all cases.

Abamectin is believed to enhance GABA activity in animals.

Recommendations for medical treatment for abamectin acute toxicity:

Early signs of toxicity include muscle tremors, dilated pupils (mydriasis) and unsteadiness (ataxia). If toxicity from exposure has progressed to severe vomiting, the extent of resultant fluid and electrolyte imbalance should be gauged. Appropriate supportive parenteral fluid replacement

therapy should be given, along with other required supportive measures (such as maintenance of blood pressure levels) as indicated by clinical signs, symptoms and measurements.

In severe cases, observation should continue for at least several days until clinical condition is stable and normal. Since abamectin is believed to enhance GABA activity in animals, it is probably wise to avoid drugs that enhance GABA activity in patients with potentially toxic abamectin exposure e.g. barbiturates, benzodiazepines, valproic acid.

Guide to Doctors:

In case of symptomatic effects, provide supportive treatment, depending on symptomatology, to maintain life functions.

For more information, or in case of emergency with DYNAMEC ring
+44 (0) 1484 538444 any time.

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work. (UK only)

SAFETY PRECAUTIONS

(a) Operator protection

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS, APRON), SUITABLE PROTECTIVE GLOVES, RUBBER BOOTS, FACE PROTECTION (FACESHIELD) AND SUITABLE RESPIRATORY PROTECTIVE EQUIPMENT when handling the concentrate and when spraying.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES, RUBBER BOOTS AND FACE PROTECTION (FACESHIELD) when handling contaminated equipment and containers and when in contact with freshly treated materials.

However engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

WASH HANDS AND EXPOSED SKIN before eating, drinking or smoking and after work.

WASH ALL PROTECTIVE CLOTHING THOROUGHLY after use, especially the insides of gloves.

IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL seek medical advice immediately (show label where possible).

(b) Environmental protection

Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from yards and roads.

HIGH RISK TO BEES. DO NOT apply to crops in flower or to those in which bees are actively foraging. Do not apply when flowering weeds are present.

(c) Storage and disposal

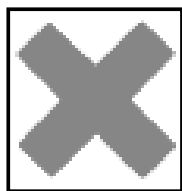
RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add washings to sprayer at time of filling and dispose of safely.

DO NOT RE-USE CONTAINER FOR ANY PURPOSE.

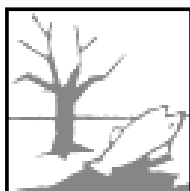
KEEP IN ORIGINAL CONTAINER, tightly closed in a safe place, under lock and key.

PROTECT FROM FROST.

DYNAMEC is an emulsifiable concentrate containing 18g/l abamectin (1.84% w/w) with cyclohexanol.



HARMFUL



**DANGEROUS
FOR THE
ENVIRONMENT**

HARMFUL IF SWALLOWED.

**VERY TOXIC TO AQUATIC ORGANISMS, MAY
CAUSE LONG-TERM ADVERSE EFFECTS IN THE
AQUATIC ENVIRONMENT.**

Keep out of reach of children.

When using do not eat, drink or smoke.

Keep away from food, drink and animal feeding stuffs.

This material and its container must be disposed of in a safe way.

Use appropriate containment to avoid environmental contamination.

To avoid risks to man and the environment, comply with the instructions for use.

PCS No 02640 (MAPP13331)

IMPORTANT INFORMATION

FOR USE ONLY AS A HORTICULTURAL ACARICIDE/INSECTICIDE.

Crop/ situations	Maximum individual dose	Maximum number of treatments (per crop)	Latest time of application
Protected tomato and cucumber	See 'Other Specific Restrictions'	2 pre-bloom or fruit set AND 4 post-bloom or fruit set	3 days before harvest
Ornamental plant production	See 'Other Specific Restrictions'	-	-

Other specific restrictions:

- * The maximum concentration must not exceed 50 ml product per 100 litres of water.
- * DO NOT TREAT protected tomatoes and cucumbers which are in flower or have fruit set between 1 November and the end of February.
- * DO NOT TREAT cherry tomatoes.
- * KEEP UNPROTECTED PERSONS OUT OF TREATED AREA until the spray has dried.

READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.

The product label provides information on a specific pesticidal use of the product; do not use otherwise, unless you have assessed any potential hazard involved, the safety measures required and that the particular use has 'off - label' approval or is otherwise permitted under the Control of Pesticides Regulations. The information on the label is based on the best available information including data from test results.

® DYNAMEC is a Registered Trademark of a Syngenta Group Company.

Marketing Company:

Syngenta Bioline.
Talstar Nursery, Holland Road,
Little Clacton, Clacton on Sea, Essex.
CO16 9OG
Tel: 01255 863200

Pack Size: 250 ml and 1 litre
Outers of: 20 x 250 ml
12 x 1 litre

In case of toxic or transport emergency with Dynamec ring +44(0)1484 538444 any time.

Safety data sheet available on request
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