



Product registration number: MAPP 18316

DYNAMEC[®] is an emulsifiable concentrate containing 18g/litre abamectin (1.84% w/w) with cyclohexanol.

For control of two-spotted spider mite, Western Flower Thrips and leaf miner (*Liriomyza spp*) in protected ornamental plant production.

For the control of two-spotted spider mite and leaf miner (*Liriomyza bryionae*), Thrips spp including Western Flower Thrips in protected tomatoes.

For the control of two-spotted spider mite and Thrips spp including Western Flower Thrips in protected strawberries, aubergine and peppers.

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

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

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PROTECT FROM FROST.

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This product label is compliant with the CPA Voluntary Initiative (VI) guidance (UK only)



DYNAMEC[®]

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

Warning

Harmful if swallowed.

Causes serious eye irritation.

May cause damage to organs through prolonged or repeated exposure.

Very toxic to aquatic life with long lasting effects.

Keep out of reach of children.

Do not breathe dust/fume/gas/mist/vapours/spray.

Do not eat, drink or smoke when using this product.

Wear protective gloves/protective clothing/eye protection/face protection.

IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

Get medical advice if you feel unwell.

Collect spillage.

Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for triple rinsed clean containers which can be disposed of as non-hazardous waste.

To avoid risks to human health and the environment comply with the instructions for use.

MAPP 18316



IMPORTANT INFORMATION

FOR USE ONLY AS A HORTICULTURAL ACARICIDE/INSECTICIDE.

Crops	Maximum individual dose	Maximum no. applications	Latest time of application
Aubergine (permanent protection with full enclosure)	See Other specific restrictions ⁽¹⁾	3	3 days pre harvest
Tomato (permanent protection with full enclosure)	See Other specific restrictions ⁽¹⁾	3	3 days pre harvest
Pepper and chilli (permanent protection with full enclosure)	See Other specific restrictions ⁽¹⁾	3	3 days pre harvest
Strawberry (permanent protection with full enclosure)	See Other specific restrictions ⁽¹⁾	3	3 days pre harvest
Ornamental plant production (permanent protection with full enclosure)	See Other specific restrictions ⁽¹⁾	4	-

Other specific restrictions:

¹ The maximum concentration must not exceed 50 ml product per 100 litres water.

DO NOT TREAT protected tomatoes 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.

Treatment must only be made under 'permanent protection' situations which provide full enclosure (including continuous top and side barriers down to below ground level) and which are present and maintained over a number of years.

Reasonable precautions must be taken to prevent access of birds, wild mammals and honey bees to treated crops.

To minimise airborne environmental exposure, vents, doors and other openings must be closed during and after application until the applied product has fully settled.

**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.**

SAFETY PRECAUTIONS

(a) Operator protection

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

Operators must wear suitable protective gloves and face protection (faceshield) when handling the concentrate.

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.

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

Consult processors before using on crops destined for processing

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 spp.*) and the nymphs of *Thrips spp.* and Western Flower Thrips (*Frankliniella occidentalis*), plus a useful reduction in adults.

DYNAMEC may be used in protected ornamental plant production and in protected tomatoes, strawberries, aubergine and peppers.

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

RESISTANCE MANAGEMENT

Two to three sequential applications of Dynamec may be made to target a single generation of the pest. It is advisable to alternate the sequential applications of Dynamec with products that have a different mode of action.

CROP SPECIFIC INFORMATION

Protected Ornamental plant production

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

Applications per crop or per season for Ornamental plant production (protected) – 4 per 12 months

Protected strawberry

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

Applications per crop for protected strawberry – 3 per year

Protected tomatoes

DYNAMEC may be used to control two-spotted spider mite and leaf Miner (*Liriomyza bryionae*) and *Thrips spp* including Western Flower Thrips in tomatoes. DYNAMEC may be applied to seedling tomatoes crops which have not started to flower or set fruit, at any time of year.

Applications per crop or per season for protected tomato - 3 per year

Protected aubergine

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

Applications per crop or per season for protected aubergine – 3 per year

Protected pepper

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

Applications per crop or per season for protected pepper – 3 per year

Dose Rates

Two-spotted spider mite	50ml DYNAMEC per 100 litres of water
<i>Thrips spp.</i> and leaf miner	50ml DYNAMEC per 100 litres of water

DYNAMEC is not approved for use on cherry tomatoes.

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.

On some varieties of carnations, ferns and daisies, phytotoxic reactions are observed. Therefore do NOT use DYNAMEC on carnations, ferns and *Leucantherum spp.*

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.
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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.
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Thrips spp.,

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.

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. Syngenta do not recommend the application of DYNAMEC via low volume application systems.

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 upon symptomatology, to maintain life functions.

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