

AZATIN[®]



MAPP 18301

An emulsifiable concentrate containing 217 g/L azadirachtin (formulated to achieve a concentration of 26 g/L azadirachtin-A) for the control of western flower thrips and onion thrips in protected ornamental, tree nursery and perennial crops.

Contents: xx L

Batch No:

THE (COSHH) CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH REGULATIONS MAY APPLY TO THE USE OF THIS PRODUCT AT WORK.

SAFETY PRECAUTIONS

Operator protection

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

WEAR SUITABLE PROTECTIVE GLOVES when mixing, filling spray equipment and applying the product. However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

Workers must wear suitable protective gloves* when handling treated crops or contaminated surfaces after treatment. *Meeting at least glove safety standard EN374-2:2003, Level 2. Such gloves can be identified by a CE Mark with four digits below, and the EN374 pictogram for micro-biological hazards or the pictogram for 'waterproof' and 'low chemical resistance' gloves.

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY with plenty of water and seek medical advice.

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 farmyards and roads.

Storage and disposal

KEEP OUT OF REACH OF CHILDREN.

KEEP ONLY IN ORIGINAL CONTAINER, tightly closed, in a safe place.

DO NOT RE-USE CONTAINER for any purpose.

Store in a cool, dry well-ventilated place.

At ambient temperature AZATIN will be stable for at least 24 months.

AZATIN

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WARNING

CAUSES SERIOUS EYE IRRITATION

VERY TOXIC TO AQUATIC ORGANISMS WITH LONG LASTING EFFECTS

If medical advice is needed, have product container or label at hand.

Keep out of the reach of children.

Wash hands thoroughly after handling.

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 so. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

Collect spillage.

Contains azadirachtin A. May produce an allergic reaction.

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

MAPP 18301

**IMPORTANT INFORMATION
FOR USE ONLY AS A PROFESSIONAL INSECTICIDE**

Crops	Maximum individual dose	Maximum number of applications	Latest time of application
Ornamental plant production (protected)	140ml product in 100 L water	20	-

Other specific restrictions:

1. A maximum individual dose of 1.68 L/ha must not be exceeded.
2. A minimum interval of 7 days must be observed between applications within a block (i.e. 4 consecutive sprays represents a block) and 42 days between blocks.
3. Soil bound systems may not be treated until BBCH 40 or later
4. To protect ground water, a minimum interval of 39 days after final treatment must be observed before planting out of containerised forest nursery plants.
5. 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.
6. Reasonable precautions must be taken to prevent access of birds, wild mammals and bees to treated crops.
7. To protect the environment, plants grown in synthetic media treated with AZATIN must not be planted out into the soil
8. 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.



This label is compliant with the CPA Voluntary Initiative Guidance

Marketed by:

CERTIS

Certis, Suite 5, 3 Riverside, Granta Park, Great Abington, Cambridgeshire, CB21 6AD
Tel: 0044 (0)845 373 0305 Fax: 0044 (0)1223 891210
E-mail: certis@certiseurope.co.uk

For technical and non-emergency calls - phone 0044 (0)1223 894261
For advice on medical emergencies, fires, spillages or chemical hazards ONLY – phone
0870 190 6777

Approval Holder: Mitsui AgriScience International S.A/B.V, Avenue de Tervueren 270, B-1150
Brussels, Belgium

® AZATIN is a registered trade mark of Certis USA

CONDITIONS OF SUPPLY: The Seller warrants that the goods shall at the time of delivery to the Buyer conform to the Seller's standard specification but all other conditions and warranties, whether express or implied by statute or custom of the trade or otherwise and whether as to condition, quality, performance, merchantability, fitness for any purpose or otherwise, are expressly excluded and, subject as aforesaid, the Seller shall be under no liability whatsoever, in contract or in tort, for or in respect of any loss or damage whatsoever resulting from or arising out of the goods or supply or use thereof, whether caused by the negligence of the Seller or otherwise. The Seller shall be under no liability in respect of the warranty given above unless the Buyer allows the Seller reasonable opportunity of inspecting the goods where practicable. A consumer's statutory rights are not affected.

DIRECTIONS FOR USE

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

RESTRICTIONS

To protect groundwater, do not use on plants grown under cover in designated groundwater protection areas.

To protect groundwater, the use of this product on plants grown under cover in soil is permitted only if the plant cover is dense (i.e. at full canopy stage).

This product is hazardous to bees. Prevent bees and other pollinating insects from entering the glasshouse.

This product can be harmful to pollinators and natural enemies in plants grown in glasshouses. Consult your supplier of biological control agents on the use of AZATIN in combination with the use of biological control agents for further information.

MIXING

Shake the container prior to use. Stir the spray solution continuously. Continuous agitation of the spray solution during mixing and application is required.

Apply the product in a solution of 0.14 % concentration or 140 ml product per 100 litres water.

CROP SPECIFIC INFORMATION

AZATIN is intended for the control of thrips in the protected ornamental, tree nursery and perennial crops.

The proposed treatment with AZATIN consists of a block of 4 applications.

Applications are carried out at a dose rate of 1.4L/ha for Ornamental plants grown under cover and 1.68 L/ha for roses grown on substrate under cover in 0.14% concentration and a minimum interval of 7 days between applications.

The total number of applications per year is a maximum of 20 applications, divided over 5 blocks. 42 days between each block of 4 applications must be observed.

Because of the diversity of crops that may be treated, users are advised to carry out a small scale trial application to crops to ascertain safety of AZATIN to variety being treated before large scale applications.

Area of application	Organism to be controlled	Dose per application	Maximum dose per application	Maximum number of applications per year	Minimum interval between applications in days
Ornamental plants grown under cover (except for roses), including floristry plants, arboricultural plants and perennial plants	thrips ^{1,2}	0.14% (140 ml product per 100 litres water)	1.4 L/ha	20 applications divided into 5 blocks of 4 applications	7 days within a block and 42 days between blocks
Roses (grown on substrate under cover)	thrips ^{1,2}	0.14% (140 ml product per 100 litres water)	1.68 L/ha	20 applications divided into 5 blocks of 4 applications	7 days within a block and 42 days between blocks

¹ Western flower thrips (*Frankliniella occidentalis*)

² Onion thrips (*Thrips tabaci*)

RESISTANCE

Azadirachtin A has several different effects on target insects. Modes of action are growth regulatory/moulting action with repellency activity and disruption of respiration in soft shell insects. Because of the combination of these different modes of action, the likelihood of resistance is low. Using AZATIN with chemical and non-chemical control methods can form part of an Integrated Pest Management (IPM) system, consider alternating a range of methods within pest generations.

END OF LABEL TEXT

**This safety data sheet does not form part of the label authorized under Regulation
1107/2009**

Material Safety Data Sheet

To access the safety data sheet for this product, scan the QR code or use the web link below

Alternatively, contact your supplier