

GROUP UN INSECTICIDE

**Oikos**<sup>®</sup>

An emulsifiable concentrate formulation containing 26 g/l Azadirachtin-A. An insecticide for the control of insect pests on strawberry, tomato, aubergine, pepper, cucumber, courgette, melon, pumpkin, lettuce, baby leaf crops, parsley, basil and ornamentals grown under protected conditions.

**Safety Information****WARNING**

- May cause an allergic skin reaction
- Toxic to aquatic life with long lasting effects
- Avoid breathing spray.
- IF ON SKIN: Wash with plenty of soap and water.
- Avoid release to the environment.
- Wear protective gloves/clothing and eye/face protection.
- Collect spillage.
- Dispose of contents/container to a licensed waste disposal contractor or collection site except for triple rinsed empty 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.**

PCS No.: 07010

**24 hour Emergency Number: +44 (0)1763 212100 In the event of an emergency, call the National Poisons Centre, Beaumont Hospital at 01 809 2566 or 01 837 9964**

**Authorisation Holder**

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**UFI: UYMU-QWRC-N60G-XXRT**  
**Safety Data Sheet available on request**

Net contents:

**1Le**

Batch number: SEE PACKAGE



Scan to view the Safety Data Sheet

Alternatively, download the Safety Data Sheet from [sipcamuk.co.uk](http://sipcamuk.co.uk) or contact your supplier.

SIPCAM UK LTD CONDITIONS OF SUPPLY—All goods supplied by us are of high grade, but as we cannot exercise control over their mixing or use, all conditions or warranty, statutory or otherwise, as to the quality or fitness of our goods for any purpose are excluded and no responsibility will be accepted by us for any damage or injury whatsoever arising from their storage, handling, application or use.

**FOR PROFESSIONAL USE ONLY****FOR PROFESSIONAL USE ONLY AS A HORTICULTURAL INSECTICIDE**

| Crops   | Maximum individual dose:<br>(L product/hectare) | Maximum total dose:<br>(L product/hectare) | Latest time of application |
|---|---|--|----------------------------|
| Strawberry (protected)  | 1.5   | 6  | 7 days before harvest      |
| Pepper (protected)  | 1.5   | 7.5  | 7 days before harvest      |
| Protected crops of Tomato, Aubergine, Cucumber, Courgette, Melon, Pumpkin | 1.5   | 7.5  | 3 days before harvest      |
| Protected crops of Lettuce, Baby Leaf crops, Parsley & Basil              | 1.5   | 4.5  | 7 days before harvest      |
| Ornamentals (protected)   | 1.5   | 7.5  | -                          |

**OTHER SPECIFIC RESTRICTIONS:** A minimum 7 day interval between applications must be maintained in all crops.

The maximum number of applications is 5 per crop except for; strawberry with a maximum of 4 applications per crop and lettuce, baby leaf crops, parsley & basil crops with a maximum of 3 applications per crop.

Do not re-enter treated areas/crops until the spray deposit is completely dry.

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 CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS**

## SAFETY PRECAUTIONS

### Operator protection

- WEAR SUITABLE PROTECTIVE GLOVES when handling the concentrate or contaminated surfaces.
- WASH CONCENTRATE from skin and eyes immediately.
- WHEN USING DO NOT EAT, DRINK OR SMOKE.
- WASH HANDS AND EXPOSED SKIN before meals and after work.

### 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).
- Use appropriate containment to avoid environmental contamination.

### Storage and disposal

- KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.
- RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add washings to sprayer at the time of filling and dispose of safely.
- KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.
- KEEP OUT OF REACH OF CHILDREN.

## DIRECTIONS FOR USE

**IMPORTANT:** This information is approved 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.

OIKOS® is a natural insecticide, whose active ingredient is extracted from the seeds of the tropical tree *Azadirachta indica* (Neem tree). It acts as a growth regulator, disrupting the insects' pre-imaginal development. It also inhibits the synthesis of Ecdysone, the most important hormone involved in moulting control, and it has anti-feedant and repellent properties. The product acts by direct contact and ingestion. Its action is systemic.

The product, due its mode of action, is sprayed preventively or at the first appearance of the pests. The spray should be carried out during early morning or late afternoon, and in the cooler hours of the day, ensuring the uniform covering of the vegetation.

There are no phytotoxic effects if the product is used according to label instructions.

### Resistance

Azadirachtin-A has several different effects on target insects. Modes of action are growth regulatory/moulting action with a repellent 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 OIKOS® 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.

## PESTS CONTROLLED

| Crop                                      | Pest  |
|---|---|
| Strawberry                                | Aphids, Thrips, White Flies, Cutworms                               |
| Lettuce, Baby Leaf crops, Parsley & Basil | Aphids, White Flies, Leaf Miners, Cutworms                          |
| Tomato, Aubergine, Pepper                 | Aphids, Leaf Miners, Thrips, Colorado Beetle, White Flies, Cutworms |
| Ornamentals                               | Aphids, Leaf Miners, White Flies, Thrips, Cutworms                  |
| Cucumber, Courgette, Melon, Pumpkin       | Aphids, Leaf Miners, White Flies, Thrips, Cutworms                  |

### Crop specific information

| Crop       | Rate                   | Apply at 0.15 % concentration (150 ml of product per 100 L water) |
|------------|------------------------|---|
| Strawberry | Number of applications | 4   |
|            | Pests controlled       | Aphids, Thrips, White Flies, Cutworms                             |
|            | Timing                 | At first appearance of infestation BBCH 14-89                     |

| Crop                                      | Rate                   | Apply at 0.15 % concentration<br>(150 ml of product per 100 L water) |
|---|------------------------|--|
| Lettuce, Baby Leaf crops, Parsley & Basil | Number of applications | 3  |
|   | Pests controlled       | Aphids, White Flies, Leaf Miners, Cutworms                           |
|   | Timing                 | At first appearance of infestation<br>BBCH 14-89                     |

| Crop  | Rate                   | Apply at 0.15 % concentration<br>(150 ml of product per 100 L water) |
|---|------------------------|--|
| Tomato, Aubergine, Pepper, Flowers, Ornamentals | Number of applications | 5  |
|   | Pests controlled       | Aphids, Leaf Miners, Thrips, Colorado Beetle, White Flies, Cutworms  |
|   | Timing                 | At first appearance of infestation<br>BBCH 14-89                     |

| Crop                                | Rate                   | Apply at 0.15 % concentration<br>(150 ml of product per 100 L water) |
|-------------------------------------|------------------------|--|
| Cucumber, Courgette, Melon, Pumpkin | Number of applications | 5  |
|                                     | Pests controlled       | Aphids, Leaf Miners, White Flies, Thrips, Cutworms                   |
|                                     | Timing                 | At first appearance of infestation<br>BBCH 14-89                     |

### Mixing

Never prepare more spray solution than is required.

Half fill the tank with clean water and start agitation. To ensure thorough mixing of the product, invert the container several times before opening. Add the required quantity of OIKOS® to the spray tank while re-circulating. Fill up the tank with water and continue agitation until spraying is completed.

On emptying the container, rinse container thoroughly by using an integrated pressure rinsing device or manually rinsing three times. Add the washings to the sprayer at time of filling and dispose of the empty container safely.

### Application

OIKOS® can be applied using a tractor mounted / trailed boom sprayer or glasshouse sprayer.

Ensure good, even spray cover of the target using a MEDIUM quality spray, as defined by BCPC.

### Sprayer cleaning

Following use of OIKOS® spray equipment should be thoroughly cleaned.

There are no specific requirements for cleaning following use of OIKOS®. Growers should consult manufacturer's guidance for procedures for their specific equipment, and use a combination of triple rinsing and agitation with clean water.

Equipment washings should be disposed of safely following the Code of Practice for Using Plant Protection Products and relevant Environment Agency guidance.

OIKOS® is a trademark and property of Sipcam Oxon S.p.A (Registration No.: 0861036).