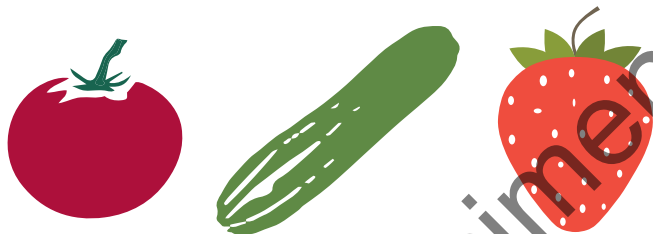


FLIPPER[®]

Insecticide/Acaracide



FLIPPER[®] is a contact insecticide / acaricide for the control of aphids, whitefly and spider mites on a range of crops.

Read all instructions carefully before using this product.

MAPP 17767 / PCS 05027

10 Litre

alphabiocontrol[®]

BIO-INSPIRED CROP PROTECTION

FLIPPER[®]

An emulsion in water (EW) insecticide containing 479.8 g/Litre (47.9% w/v) plant origin carboxylic acid potassium salts C14 - C20.

A contact insecticide / acaricide for the useful preventative control of whitefly, aphids and two spotted mite on a range of protected crops.

MAPP 17767 / PCS 05027

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

RISK & SAFETY INFORMATION.

An emulsion in water (EW) insecticide containing 479.8 g/Litre (47.9% w/v) plant origin carboxylic acid potassium salts C14 - C20.

Classification and labeling

Skin Irritant - Category 2

Irritating to Eyes - Category 2

WARNING

Causes skin irritation.

Causes serious eye irritation.

May cause respiratory irritation.

Harmful to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

Do not breathe mist/vapours/spray.

Wash hands thoroughly after handling. Use only in a well-ventilated area. Avoid release to the environment.

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

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

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash before reuse.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention.

IF IN EYES: Rinse cautiously with water for several minutes. If eye irritation persists: Get immediate medical advice/attention.

To avoid risk to human health and the environment, comply with the instructions for use. MAPP 17767 / PCS 05027



Authorisation Holder: Alpha BioPesticides Limited t/a AlphaBio Control Ltd, St John's Innovation Centre, Cowley Road, Cambridge, CB4 0WS, England. Tel: +44 (0) 1223 911766.

Distributed by

Fargro Ltd, Vinery Fields, Arundel Road, Poling, Arundel, West Sussex BN18 9PY. Tel: +44 (0)1903 721591 E: info@fargro.co.uk.

For advice on medical emergencies, fires, spillages or chemical hazards ONLY - Tel: 0870 190 6777 (UK only).

In case of a medical emergency following exposure to a chemical, the public should call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24 (UK only).

The National Poisons Information Service, Dublin
Tel: 00 35 3 137 99 64/379966.

FLIPPER[®] is a registered trade mark of AlphaBioPesticides Limited (Trading as AlphaBio Control). St John's Innovation Centre, Cowley Road, Cambridge, CB4 0WS.

alphabiocontrol[®]
BIO-INSPIRED CROP PROTECTION

fargro[®]
Ask the Specialists

Batch No.

Date of manufacture:

Expiry date:

FLIPPER®

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 CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate.

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

FLIPPER® has a reduced re-entry period. Following application re-entry may occur as soon as the crop has dried.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

AVOID ALL CONTACT WITH SKIN.

WASH CONCENTRATE from skin or eyes immediately.

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

DO NOT BREATHE SPRAY.

IF YOU FEEL UNWELL, seek medical advice (show label where possible).

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.

RISK TO NON-TARGET INSECTS OR OTHER ARTHROPODS. FLIPPER® is of low risk to beneficial insects and pollinators. (Consult distributor for more information).

Storage and disposal

KEEP AWAY FROM FOOD, DRINK & ANIMAL FEEDING STUFFS.

KEEP OUT OF REACH OF CHILDREN.

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place. Store in a well-ventilated place.

WASH OUT CONTAINER THOROUGHLY, empty washings into the spray tank and dispose of safely.

DO NOT RE-USE CONTAINER for any purpose.

IMPORTANT INFORMATION	
FOR USE ONLY AS A PROFESSIONAL INSECTICIDE / ACARICIDE	
Crops:	Tomato, Cucumber, Strawberry. (Permanent protection with full enclosure.)
Maximum individual dose:	16L product per hectare with a maximum concentrate of 1.6L per 100L water
Maximum number of treatments:	5 per crop
Maximum total dose:	80 Litres/Hectare
Application timing:	No restriction
Latest time of application:	No restriction
Other restrictions:	
1. 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.	
2. Reasonable precautions must be taken to prevent access of birds, wild mammals and honey bees to treated crops.	
3. 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.	

DIRECTIONS FOR USE

For use only as a horticultural insecticide.

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.

FLIPPER® has a zero day harvest interval for the crops on which its use is recommended.

Restrictions or Warnings

Due to the large number of species and cultivars grown, crop safety should first be determined by treating a small number of plants. Crop damage may occur when FLIPPER® is applied under very high temperatures.

Pests Controlled

FLIPPER® provides useful preventative control of whitefly (*Trialeurodes vaporariorum*, *Bemisia tabaci*), *Aleurothrix floccosus*), aphid (*Myzus persicae*, *Macrosiphum euphorbiae*, *Aphis gossypii*) and two-spotted mite (*Tetranychus urticae*) populations.

Crop Specific Information (Application Rates, Volumes & Timing)

Method of application: Knapsack/handheld sprayer, tractor mounted boom sprayer, specialised application equipment / gantry sprayer.

Application rate: 1-1.6 Litres per 100 litres water.

Water Volume: Apply in a volume of water sufficient to achieve total coverage of the target foliage. Normally 400-1000 litres

per hectare for smaller plants and 1000-1600 litres per hectare for larger plants with dense foliage.

Timing: For optimum control, apply at the very first signs of pest emergence so that population build up is prevented through targeting the eggs and the very young larval stages. Highest levels of control will be achieved when applied during warmer, faster drying conditions.

Frequency of applications: Apply every 7 days as required by pest pressure.

Important: FLIPPER® is a contact insecticide/ acaricide. Ensure good coverage of the pest and placement of the spray, paying particular attention to the underside of leaves and to growing points.

Mode of action

FLIPPER® has a physical mode of action on eggs, larvae and adult insects. Levels of control achieved will depend on the pest stage and weather conditions at the time of application.

FLIPPER® has no residual insecticidal activity therefore repeat applications may be required according to pest pressure with a minimum of 7 days between applications.

Resistance

FLIPPER® will control insects resistant to other insecticides. There are no reports of resistance to FLIPPER® however it is good practice to use such products as components of Integrated Pest Management systems, alternating with other control measures.

Mixing & spraying

Thoroughly wash and clean the spray tank before adding FLIPPER®. Half fill the spray tank with water. Add the required quantity of FLIPPER® rinsing the container twice with fresh water and pouring the residue into the spray tank. Top up the spray tank with water. The product mixes readily with water and does not require vigorous agitation. Use of an agitator may cause the formation of foam.

Important: Use the freshly mixed spray straight away.

Ideally apply using soft water or collected rainwater.

Hard Water: Do not use hard water containing metallic ions (Calcium, magnesium, iron etc.) with concentrations greater than 300 ppm. If required, a buffering agent may be added to the water prior to mixing in order to prevent precipitation.

When using a buffering agent do not lower the pH of the final spray mixture below 8.0.

Where foaming occurs an anti-foam agent may be used in conjunction with FLIPPER®

Compatibility

FLIPPER® is physically compatible with a wide range of formulated products. For a full list of compatibilities consult the manufacturer or local distributors.

Do not tank mix pesticides or foliar feeds containing sulfur or metallic ions (such as zinc, copper or iron). These may be physically incompatible and may cause phytotoxicity.

Do not mix with acidic pesticides, fertilisers or with products containing fosetyl-aluminium.

Storage

Do not store diluted product.

Store concentrate in original container at ambient temperature in a dry place.

Protect concentrate from frost. Storage below 10°C may cause crystallization to occur. This is completely reversible and will not affect the effectiveness of the product.