

Applaud® 25 SC
MAPP 17196

**A suspension concentrate formulation containing 250 g/litre
buprofezin for use as an insecticide for the control of glasshouse and
tobacco whitefly**



Contents: XXX kg

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 handling concentrate, during application and when handling contaminated surfaces.

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

WASH CONCENTRATE from skin or eyes immediately.

WASH HANDS AND EXPOSED SKIN before meals and after work.

Ventilate treated greenhouse thoroughly until spray has dried before re-entry.

Environmental protection

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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. Avoid release to the environment. Refer to special instructions / safety data sheet.

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 time of filling and dispose of safely.

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

PROTECT FROM FROST

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| <p>IMPORTANT INFORMATION FOR USE ONLY AS A HORTICULTURAL INSECTICIDE Crops: PROTECTED ORNAMENTAL PLANT PRODUCTION</p> |
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Maximum individual dose: 1.0 L/ha (see 'other specific restrictions')

Maximum number of treatments: 2 per crop

Latest time of application: not applicable

Other specific restrictions:

The maximum concentration must not exceed 80ml product per 100 litre water.

This product must not be added to, or allowed to contaminate, aqueous phases used in hydroponic systems.

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.

APPLAUD® 25 SC

A suspension concentrate formulation containing 250 g/litre buprofezin.



WARNING

May cause an allergic skin reaction.

Very toxic to aquatic life with long lasting effects.

Avoid breathing vapours/spray.

Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves.

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

If skin irritation or rash occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

Collect spillage.

Dispose of contents/container via a licensed hazardous waste disposal contractor or collection site except for empty triple rinsed clean containers which can be disposed of as non-hazardous waste in accordance with local/regional/national/international regulations.

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

MAPP 17196

DIRECTIONS FOR USE: Refer to leaflet attached to the container.



This label is compliant with the CPA Voluntary Initiative Guidance

Marketed by

CERTIS

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For technical and non-emergency calls - phone 0845 373 0305
For advice on medical emergencies, fires, spillages or chemical hazards ONLY –
phone 0870 190 6777

Approval holder: Nichino Europe Limited, 5 Pioneer Court, Vision Park, Histon, Cambridge.
Tel 01223 200212

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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

GENERAL INFORMATION

For the control of glasshouse and tobacco whitefly on protected ornamental plants.

Applaud 25 SC is a selective insect growth regulator with contact, residual and some vapour action. It is particularly effective for the control of whitefly on protected crops. Whitefly is most susceptible to Applaud 25 SC during the larval ('scale') stages. Its residual effect can also kill nymphs emerging from treated eggs. Applications to pupae can also reduce emergence of adult whitefly. Note: There is no direct effect on adult whitefly

Crop recommendations

For the control of glasshouse whitefly (*Trialeurodes vaporariorum*) and tobacco whitefly (*Bemisia tabaci*) in protected ornamental plant production.

Mixing and spraying

Slowly invert the bottle several times before using to ensure uniform mixture. Half fill the spray tank with clean water, commence agitation and add the required amount of Applaud 25 SC.

Maintain agitation during the completion of filling and during application.

Rinse empty container thoroughly by using an integrated pressure rinsing device or by manually rinsing three times. Add washings to the spray tank at the time of filling.

Do not leave spray liquid in the sprayer for long periods of time (i.e. during meals or overnight).

Equipment cleaning procedure

Wash out the sprayer thoroughly after use of Applaud 25 SC using water.

Empty the spraying equipment as completely as possible.

Triple rinse with water and recover contaminated effluent. Contaminated water should be disposed of in agreement with local regulations.

Rate of use

Apply 80ml of Applaud 25 SC per 100 litres of water, in spray volume of 1000-1250 L/ha, using sufficient to obtain complete crop coverage. Full control is dependent on using a rate equivalent to the maximum permitted 1 L product/ha. Less effective rates may not be appropriate against whitefly populations not fully susceptible to buprofezin.

Timing and spray intervals

Applaud 25 SC should be applied when the population of whitefly is starting to develop (mainly larvae/nymphs present).

For repeated sprays allow at least 22 days before re-applying Applaud 25 SC on protected ornamental plants.

Maximum number of applications per crop

Protected ornamental plant production: maximum 2 sprays per crop

Resistance Management

Glasshouse whitefly – control may be reduced if strains of the pest resistant to buprofezin develop.

Tobacco whitefly – strains tolerant to buprofezin are known to occur. Where these are present, reduced or ineffective control is likely.

To prevent the development and spread of resistance, Applaud 25 SC should not be used in consecutive sprays. Where multiple applications are required, where possible alternate Applaud 25 SC with products having different mode of action, so that only one generation of the pest per year is exposed to a specific class of chemistry. It is also important to consider the overall treatment programme where multiple cropping is taking place within the glasshouse. Where only one application is made, rotate products from different classes across seasons to reduce selection pressure. Consider non-cultural control methods including appropriate glasshouse hygiene, and other IPM practices.

Use with Biological control

Integration of chemical control of glasshouse whitefly (using Applaud 25 SC) with biological control (using the whitefly parasite *Encarsia formosa*) is recommended.

Use of Applaud 25 SC usually has minimal effect on *Encarsia formosa* populations. However, where a very high level of mortality of whitefly larvae is achieved due to its use, reintroductions of the parasite may be required to maintain the biological control of any subsequent developing whitefly.

The compatibility of the use of Applaud 25 SC with biological control agents other than *Encarsia formosa* has not been demonstrated.

Note

Applaud 25 SC has not been fully tested for its effect on pollinating bees although no problems have been reported following extensive use. Users are advised to consult suppliers guidelines before application of Applaud 25 SC, and before introducing bees to crops previously treated with Applaud 25 SC.

Crop Tolerance

Applaud 25 SC has been successfully and safely applied to certain cultivars of the following glasshouse crops:

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|--------------|-----------|---------------|
| Alstroemaria | Bouvardia | Chrysanthemum |
| Ficus | Fuchsia | Gerbera |
| Pelargonium | Poinsetta | Rose |

However, because of the large number of cultivars grown, different husbandry methods used and variations in growing conditions (i.e. light and temperature), varietal tolerance should be checked by treating a small number of plants of any one type in the first instance.

This is especially important if spraying flowering ornamentals with buds showing colour.

Notes

Do not treat plants of the genera *Dieffenbachia* or *Closmoplictrum* (as significant damage is likely).

Do not apply Applaud 25 SC to crops which are, for any reason, under stress.

END OF LABEL TEXT

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

Material Safety Data Sheet

To access the safety data sheet for this product, scan the QR code below



Alternatively, contact your supplier.