

EXCALIBUR™ 10 EC

(ALPHA-CYPERMETHRIN 100 G/L EC)

EXCALIBUR™ 10 EC is a registered trademark of Agro Tico, Costa Rica
EXCALIBUR™ 10 EC is manufactured by Chimac-Agriphar, Belgium



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TECHNICAL INFORMATION GUIDE

USE

EXCALIBUR 10 EC is an emulsifiable concentrate insecticide containing alpha-cypermethrin, a synthetic pyrethroid which has contact, stomach, respiratory action and repellent effect. This broad-spectrum insecticide combine rapid action, good persistence and high activity on a wide range of sucking and chewing insect pests, especially Lepidoptera species, in vegetables, fruit trees, field crops and ornamental plants.

METHOD OF APPLICATION

EXCALIBUR 10 EC has to be diluted with water for application by ground or air equipment.

PREPARATION OF SPRAY MIXTURE: Fill spray tank 1/2 full of water. Add the product directly to spray tank and mix thoroughly using mechanical or hydraulic means (complete the filling with water). Use immediately after mixing. The emulsification is immediate.

APPLICATION: Apply 200 to 400 litres of mixture per ha. Apply at the recommended rates when insects first appear. Use sufficient water with fine spray droplets at low volume to obtain thorough, uniform coverage.

COMPATIBILITY: Avoid mixtures of several materials and very concentrated spray mixtures. Incompatible with highly alkaline solutions.



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Unless otherwise stated, the recommended rate dose is within 7 to 30 g of active ingredient per ha, depending on the conditions of application, pest species and type of crop. Follow the rates of application for each crop listed in the table on the following page.

CROPS	INSECT PESTS	RATES OF APPLICATION
<i>Vines</i>	<i>Grapeberry moths</i> <i>Green leaf hopper</i> <i>Vine tortrix</i>	<i>100-200 ml/ha</i> <i>200-275 ml/ha</i> <i>100-200 ml/ha</i>
<i>Citrus</i>	<i>Aspidiotus scale</i> <i>Citrus aphid</i> <i>Flower moth, Mealy</i> <i>bugs</i>	<i>20 ml/hl water</i> <i>20 ml/hl water</i> <i>30-55 ml/hl water</i>
<i>Pome and stone fruit</i>	<i>Apple-aphid, Fruit moths, Pear sucker,</i> <i>Summer fruit tortirix moth</i>	<i>10-20 ml/hl water</i>
<i>Cotton</i>	<i>Armyworms</i> <i>Leafminer</i> <i>Loopers, Pink Bollworms</i>	<i>70-150 ml/ha</i> <i>175-350 ml/ha</i> <i>175-250 ml/ha</i>
<i>Ornamentals and flowers</i>	<i>Aphids, leafminers</i>	<i>200-300 ml/ha</i>
<i>Cereals and maize</i>	<i>Cereal bugs</i> <i>Maize stalk borer</i>	<i>70-150 ml/ha</i> <i>100-250 ml/ha</i>
<i>Vegetables</i>	<i>Cereal bugs</i> <i>Maize stalk borer</i>	<i>70-150 ml/ha</i> <i>100-250 ml/ha</i>
<i>Rice</i>	<i>Rice leaf folder, leafhopper</i>	<i>100-300 ml/ha</i>
<i>Soyabeans</i>	<i>Carrot and cabbage looper</i>	<i>150-350 ml/ha</i>
<i>Tobacco</i>	<i>Tobacco whitefly, flea beetles</i>	<i>175-275 ml/ha</i>
<i>Tea</i>	<i>Tea tortrix</i>	<i>10-20 ml/hl water</i>
<i>Coffee</i>	<i>White coffee leafminer</i>	<i>30-50 ml/ha</i>
<i>Oil palm</i>	<i>Sibine</i>	<i>8-35 ml/hl water</i>



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RECOMMENDATIONS

Further treatments after 10-14 days have only to be decided in function of the level of infestation. Good crop penetration and coverage is required to achieve satisfactory results, particularly when the pests are in the lower half of the crop.

PRE-HARVEST INTEVAL

To avoid excessive residue at harvest, do not exceed the maximum dosage per ha, or the time restriction between last application and harvest for each crop : vegetables, vines, fruit trees : 14 days; cotton : 21 days; cereals : 7 days. Follow the local requirements.

WARNING:

Dangerous to bees. Do not apply at flowering stage except for cereals.

PRECAUTIONS OF USE

- Keep out of reach of children, away from food, drink or feed.
- Wear suitable protective gloves, face-shield and coverall.
- When using, do not eat, drink or smoke.
- Do not breathe spray mist.
- Wash any contamination from skin or eyes immediately.
- Wash hands and exposed skin before eating, drinking or smoking, before meals and after works.
- If you feel unwell, seek medical advice (show label where possible).

STORAGE AND DISPOSAL

- Store in the original container, tightly closed, in a cool, well ventilated local, protected from light and heat.
- **Toxic to fish:** do not contaminated ponds, waterways or ditches with chemical or used container.
- Do not re-use this container for any other purpose. Destroy rinsed container by puncturing and crushing and dispose of safely.



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FIRST AIDS

In case of contact with skin, remove all contaminated clothing and wash the patient thoroughly with plenty of water and soap. In case of eye contact, flush eyes with copious amounts of water for at least 15 minutes. If product has been swallowed, do not induce vomiting; call immediately a physician. Keep the patient at absolute rest.

NOTE TO PHYSICIAN

If a large quantity of the compound has been swallowed, gastric washing should be performed using a 5 % sodium bicarbonate solution, followed by powdered activated charcoal. Use artificial respiration, if required. Treat symptomatically.

CONDITIONS OF SUPPLY

Seller warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label, only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with use of this product. In no case shall seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the buyer.



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