


Biological control
Aphidoletes aphidimyza

APHIDOcontrol | TECHNICAL DATA SHEET



PRODUCT:

- Container with 1000 individuals (born from pupae).

PRODUCT DESCRIPTION

Aphidoletes aphidimyza is a cecidomid mosquito of the species Aphidae, whose larvae are **aphid** predators.

ACTION MODE

Adults: Adults feed on honeydew. The adult female locates aphid hotspots and lays eggs on plants with the highest aphid infestation. She can lay up to 100 eggs in her lifetime, which will hatch 2 or 3 days after laying.

Larvae: they exert effective control on aphids of all species (*Aphis gossypii, Myzus gossypii, Macrosiphum euphorbiae*, among others). When the larva of *A. aphidimyza* encounters the aphid, it injects a toxin into its jaws to immobilise the aphid and then sucks out its contents.



Larvae



Adult

ADVANTAGES

- Curative use. Good behaviour for curative controls of aphid colonies.
- High efficacy against all aphid species especially in *Macrosiphum* sp.
- The larvae begin to prey as soon as they are born.
- Compatible and complementary with parasitoids and other predators.

DOSAGE

- Curative: 1 ind./m^2. It is of interest when ant problems occur.

(Dosage for horticultural crops. Dosage may vary depending on crop and pest level. Consult the recommended dose with an Agrobío technician).

RECOMENDED CROPS

Strawberry, pepper, ornamentals, and aphid sensitive crops in general.

MANEGEMENT

Rotate the container before opening it so that it mixes homogeneously. Release into boxes with moist substrate and side openings. Assess emergence in the following days. If the pupa has metamorphosed, it will leave an exuvia (tegument or 'skin' that remains when it changes state). In spring, it will emerge in less than a week. DO NOT use in winter, as it will take time to hatch, will have little activity and will not be able to complete its biological cycle if the soil temperature drops below 16ºC (60.8ºF) to 18ºC (64.4ºF).

If the soil is covered with black plastic, it will make it very difficult for this insect to develop its life cycle. In addition, high relative humidity is important for the successful emergence of *A. aphidimyza* adults.

TRANSPORT AND STORAGE

Store the container in a horizontal position, at a temperature between 8ºC (46.4ºF) and 10°C (50ºF), and do not break the cold chain during transport and storage. Store a maximum of 48 hours after receipt, do not expose to sunlight and keep away from pesticide residues.

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