

Biological control
Aphelinus abdominalis

APHELIcontrol | TECHNICAL DATA SHEET

PRODUCT:



- Bottle 250 individuals emerged from mummies.
- Bottle 1000 individuals emerged from mummies.

DESCRIPTION OF THE PRODUCT

Aphelinus abdominalis is a parasitic hymenopteran belonging to the family Aphelinidae, which is particularly recommended for the control of **aphids** of the species *Macrosiphum euphorbiae* and *Aulacorthum solani*. It can also parasite other aphids such as *Aphys gossypii* and *Myzus persicae.*

The Agrobio bottle contains mummies (parasitized aphids).





ACTION MODE

- The female looks for aphids, and when she finds an unparasitized one, she injects an egg into it with the ovipositor, creating a mummy.
- The egg hatches inside her and the larva develops, passing through its pupal stage in the host and emerging as an adult. Throughout this phase, the aphid is inactive. When the wasp emerges, the host dies.
- *Aphelinus abdominalis* has the characteristic that, if it stings an aphid, whether or not it ends up being a host for its eggs, it kills it.

ADVANTAGES

- They can parasitise 5 to 10 aphids per day for 8 weeks.
- Adults also feed on aphids even on species they do not parasitize.
- This insect can be combined with other predators used in biological control.

Agrobío S.L. Ctra. Nacional 340, nº 81, 04745 La Mojonera, Almería, Spain | agrobio.es | @AgrobioSL

RECOMMENDED DOSE

Consult your Agrobio technician for the recommended dose, as this may differ depending on the crop and pest level.

RECOMMENDED CROPS

Although *A. abdominalis* parasitizes several aphid species, it is mainly used against the green tomato aphid (*Macrosiphum euphorbiae*) and the foxglove aphid (*Aulacorthum solani*). It is mainly applied on various greenhouse crops such as pepper, tomato, aubergine, bean, gerbera, rose, chrysanthemum…

USE

Release the product into the aphid hotspots or in small boxes on the crop, distributing it evenly throughout the plantation, early in the morning or in the evening. Before opening the pot, place it in a horizontal position and rotate it to ensure that the contents are evenly distributed.

PRESERVATION

Store the jar horizontally, at a temperature between 8ºC (46.4ºF) and 10ºC (50ºF), and do not break the cold chain during the whole transport and storage process. Store a maximum of 48 hours after receipt, do not expose to sunlight and keep away from pesticide residues.

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