



# *Aphidius colemani*

## Target pests

- Green peach aphid (*Myzus persicae*)
- Melon aphid (*Aphis gossypii*)
- And other small aphid species.

## Target crops

In greenhouses and open fields.

- Ornamental crops
- Vegetable crops (tomato, cucumber, peppers, eggplant, zucchini, lettuce...)
- Fruit crops (strawberry, apple, apricot, peach).

***Aphidius colemani*** is a parasitoid wasp of multiple species of small aphids. The adults are small parasitoid wasps, measuring about 3 mm in length.

They have transparent wings with visible veins, long antennae, and a golden and black body. After mating, the female lays her eggs inside aphids.

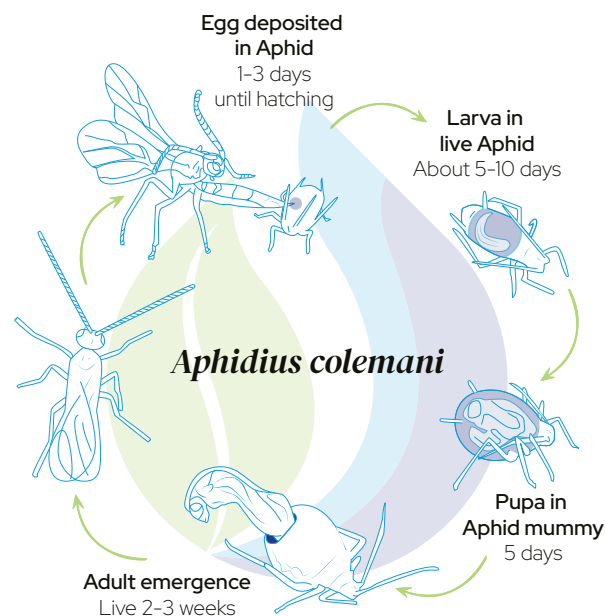
The larvae of *Aphidius colemani* develop by feeding on the internal organs of the aphid, eventually mummifying it. After about 10 days, a new adult emerges.

## Life cycle

- **Life Cycle:** Lasts between 10 and 21 days, depending on environmental conditions such as temperature and prey availability (aphids). The wasp larvae develop inside the aphids without killing them until they are ready to pupate.
- **Optimal Temperature:** 20-25 °C
- **Reproduction:** Female lays approximately 100 eggs in aphids and can attack up to 200-300 aphids in the process.
- **Diapause:** Neither adults nor larvae enter diapause during the shorter winter days.

## Introduction rate

Introduction	Quantity	Frequency	Duration
Preventive	0.25/m <sup>2</sup>	1-2 weeks	2 introductions
Curative	1-2/m <sup>2</sup> (adjust based on infestation)	1 week	2-6 introductions or until 80% of aphids are controlled





## Application

Distribute the mummies in small open containers near the base of the plants or directly on foliage where aphids are present.

Can be used in combination with *Aphidoletes aphidimyza*, *Adalia ladybugs*, *Chrysoperla carnea*, or *Micromus variegatus*.

## Storage

-  Do not freeze or refrigerate.
-  Store the container at 8-12°C no more than 2 days if obliged.