



Aphidius matricariae

Aphidius matricariae is a parasitoid wasp of the Green Peach Aphid (*Myzus persicae*) and the Cannabis Aphid (*Phorodon cannabis*). The adult is black with brown legs.

This parasitoid wasp has long antennae and is about 2 mm long.

After mating the female lays her eggs inside juvenile or adult aphids.

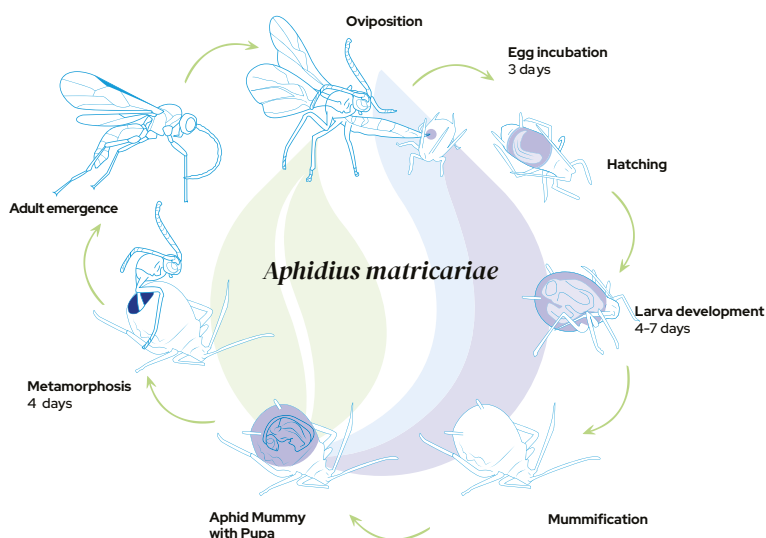
The larvae of *Aphidius colemani* grows and feeds on the internal organs of the aphid.

After 7 days, the aphid becomes immobile, swells and turns beige. This stage is called mummy.

A new adult wasp emerges from the parasitized aphid after a few days.

Life Cycle

- Optimum conditions are daytime temperatures of 18-25 °C (64-77 °F) and relative humidity 60-80%.
- A complete life cycle takes 10 days at 25 °C (77 °F) and 2 weeks at 21 °C (70°F)
- Each female lays about 100 eggs in aphids but may attack 200 to 300 aphids in the process.
- The larvae develop entirely inside the aphids and do not kill their host until the wasp larva is ready to pupate
- Does not enter diapause with shorter winter days



Introduction Rate

Introduction	Quantity	Area	Frequency	Duration
Prevention	0,25	Per m ²	As needed	As needed
Curative light	1	Per m ²	7 days	2-4 introductions
Curative strong	2	Per m ²	7 days	3-6 introductions



Application

Nymphs & adults

Aphidius matricariae is used in a greenhouse, inside production and outside production.






It is advisable to use this biocontrol agent as a precaution with the introduction of a reservoir plants or to introduce small amounts 0,25/m² before the discovery of the first colonies of aphids.

In summer, *Aphidius colemani* should be used with *Aphidoletes aphidimyza*, the ladybugs *Adalia* or *Chrysoperla carnea* or *Micromus variegatus*.

The control is achieved when 80% of the aphids are parasitized.

Instructions

Nymphs & adults

-  *Aphidius matricariae* arrives at the stage of nymph inside a parasitized and dead aphid. The adults will emerge after a few days.
-  Keep container at 22–25°C and in the shade.
-  Upon emergence, release the adults.
-  Open the container in the center of the production.
-  Repeat the introduction every week for 3 weeks or until you find 80% of parasitized aphids.

