



# Aphidius ervi

**Aphidius ervi** is a parasitoid wasp of the potato aphid, foxglove aphid and cannabis aphid. The adults are tiny wasps, about 3mm long.

They have dark wings and gold and black bodies. Adults are identified by the veins on their wing.

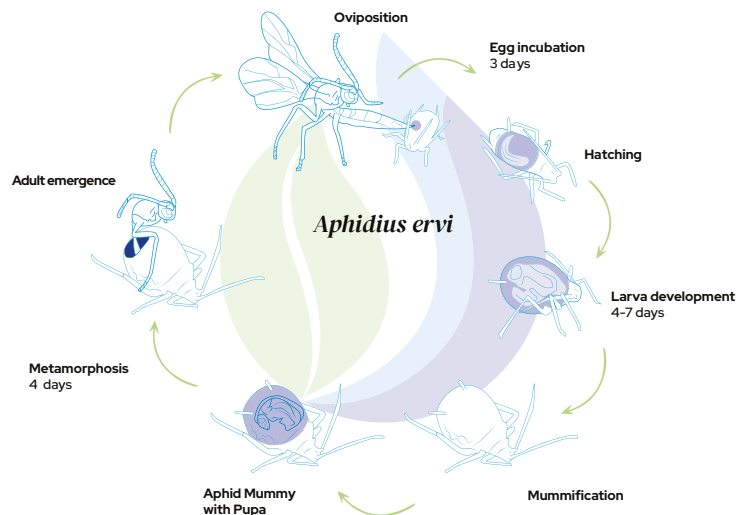
After mating, the female lays her eggs inside aphids.

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

After about 10 days a new adult emerges.

## 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	Surface	Frequency	Duration
prevention	0,25	per m <sup>2</sup>	as needed	as needed
curative light	1	per m <sup>2</sup>	7 days	2-4 introductions
curative strong	2	per m <sup>2</sup>	7 days	3-6 introductions



## Application

Nymphs & adults

*Aphidius ervi* is used in greenhouse applications where larger aphids are present such as foxglove, potato and cannabis aphid.






It is advisable to use this biocontrol agent as a precaution with a low rate of 25/m<sup>2</sup> before the discovery of colonies.

In summer, *Aphidius ervi* should be used with *Aphidoletes aphidimyza*, *Adalia bipunctata* or *Chrysoperla carnea*.

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.

