



Adalia bipunctata

The convergent lady beetle (*Adalia bipunctata*) is a species native to North America.

The adult and the larvae of this species feed on aphids and other soft-bodied insects.

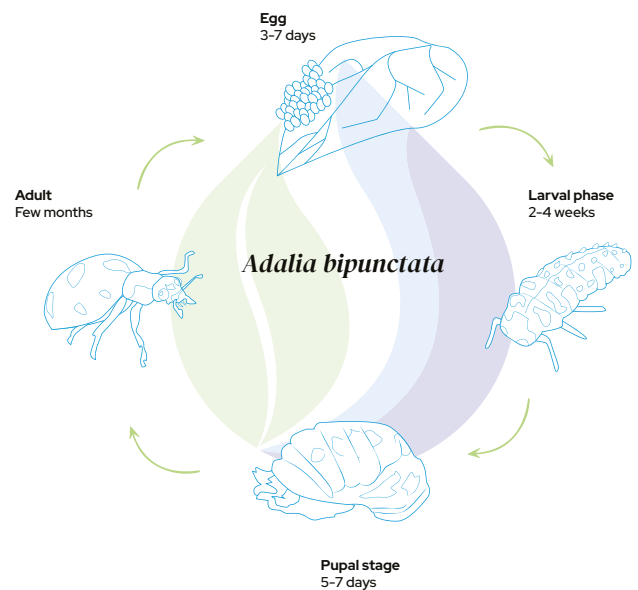
The adult measures 6 mm and is orange-red in color with 2 black dots on his back.

The female lays her eggs close to potential prey, such as colonies of aphids.

The eggs are oval and yellow in color. They are laid in small groups. The larva is dark with small orange spots on its abdomen. At maturity, the larvae will measure almost 7 mm.

Life Cycle

- A life cycle varies according to temperature (4 weeks to 2 months).
- The optimum conditions are a temperature of 16°C to 28°C and a relative humidity of more than 50%.
- The females lay their eggs on leaves near colonies of aphids.
- Each female lays 200 eggs during her life (2 months).
- The larvae emerge from the eggs after 3 to 5 days. A larva can consume more than 30 to 50 aphids/day.
- The larval stage lasts 15 to 20 days.
- Adults emerge from the pupa after 5-7 days.



Introduction rate

Introduction	Quantity	Surface	Frequency	Duration
preventive	1-2	per m ²	as needed	as needed
light curative	10	per m ²	Once every 7 - 14 days	as needed
heavy curative	20	per m ²	Once every 7 - 14 days	as needed



Application

Adults

The convergent ladybug is a very effective beneficial insect against light to moderate aphid infestations in indoor and outdoor horticultural crops.

Ladybugs are available in the adult form.








Upon receipt, place the insects in the refrigerator to release them in the morning or evening. Ladybugs are able to survive up to 2 weeks in the refrigerator without water or food.

Introduce the ladybugs to the most infested area, at the base of plants.

Because of transportation, ladybugs will be thirsty. Water or mist the plants before introducing the insects.

Instructions

Adults

-  Use insects as soon as you receive them or keep ladybugs in the fridge until introduction. Apply in the morning or evening.
-  Water or mist the plants before the introduction.
-  Open the box.
-  Place the ladybugs at the base of plants.
-  Keep a ratio of 1 ladybug to 10 pests to maintain good control.
-  In case of infestation, repeat the treatment until control.
-  Place in the refrigerator upon receipt • Do not freeze

