



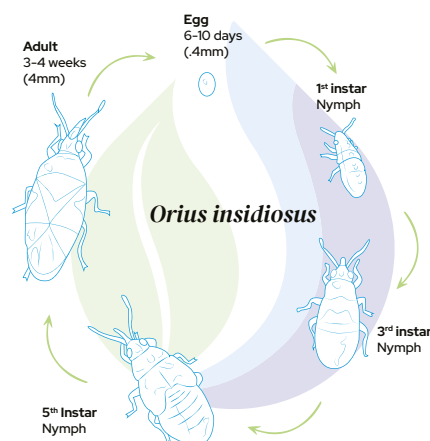
Orius insidiosus

Orius insidiosus is a small predatory bug that measures 2-2.5mm long. It is black in colour with white wing patches and oval shaped. The juvenile stages are dark orange to brown in colour and measure 0.5-1.8mm long.

The adults and juveniles are very voracious generalist predators. They feed on all mobile stages of thrips, spider mites, aphids, whiteflies and other soft bodied pests.

Life cycle

- Life cycle is 3 weeks at 21°C.
- Optimal conditions: temperatures above 15°C and a relative humidity of 60%.
- The sex ratio is generally 45% female to 55% male.
- Females lay 2 eggs per day for a total of 30 eggs in their lifetime.
- The young emerge 4-5 days later. Juveniles go through 5 stages of development. Adults live 3-4 weeks.
- Orius enters diapause when there is less than 14 hours of light.



Introduction rate

Introduction	Quantity	Surface	Frequency	Duration
Prevention	5	per m ²	7 days	2 introductions
Curative	1	per m ²	7 days	Until control
Foyer	5-10	per m ²	7 days	Until control
Outdoors	100	per hectare	14 days	Until control

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Application

Orius insidiosus is mainly used in indoor and outdoor vegetable and ornamental crops. Adults feed on pollen and can be applied preventively to flowering plants such as peppers and cucumbers. It is also possible to introduce banker plants, such as the ornamental pepper or alyssum, to help them establish more quickly and increase their populations.

Orius is a very aggressive insect that kills more prey than it consumes. On average, an adult eats 12 thrips per day and kills more than 45. For the best results, combine the use of *Orius insidiosus* with predatory mites (*Neoseiulus cucumeris* or *Amblyseius swirskii*). Recommended use from March to October.

Instructions

-  Use insects as soon as they are received. Mortality of less than 10% is normal.
-  Do not freeze or refrigerate.
-  Open the container. Sprinkle Orius on infested plants. Orius needs pollens and prey to establish itself.
-  Repeat treatment for 2 weeks or more depending on the degree of infestation. **Warning! Use Orius from march to October.** Use in combination with predatory mites.

