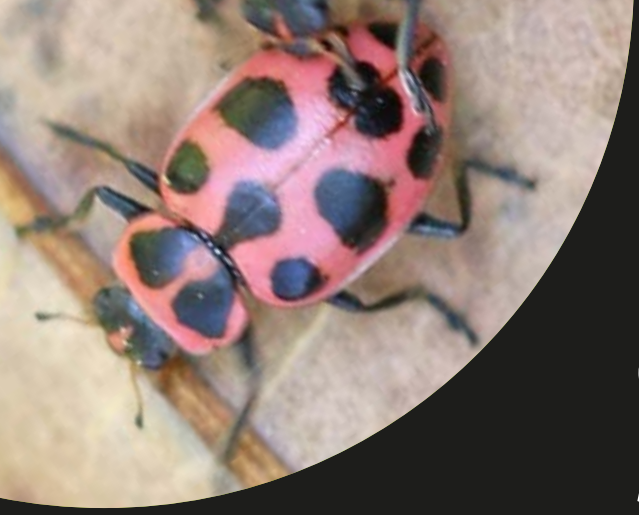


ANATIS BIOPROTECTION

Coleomegilla maculata

Target pests

Primary targets

- Aphids

Secondary / opportunistic feeding

- Thrips
- Eggs and young larvae of various insect pests
- Other small, soft-bodied insects

Not intended as a stand-alone control for spider mites or adult thrips

Target crops

- Greenhouse vegetables
- Field vegetables
- Strawberry
- Ornamentals

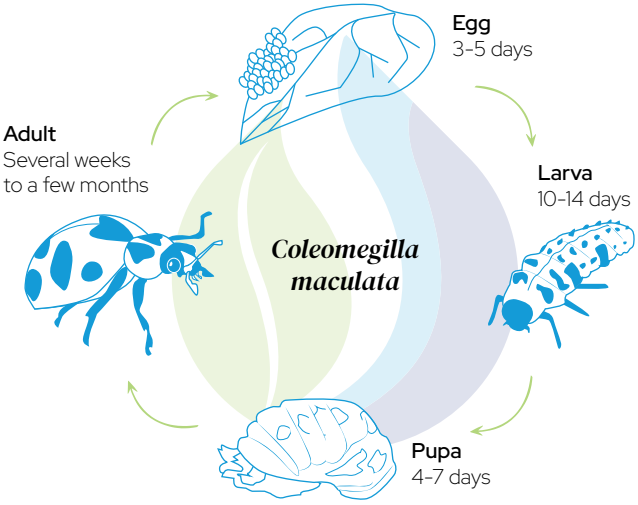
Coleomegilla maculata, commonly known as the pink-spotted lady beetle, is a natural predator used in biological control against aphids and other small, soft-bodied insects. Native to North America, this lady beetle is well adapted to Canadian growing conditions and is used in both greenhouse and field crops as part of Integrated Pest Management (IPM) programs.

Adults typically measure 5 to 7 mm in length and are easily recognized by their pink to light red coloration with distinct black spots. Larvae are elongated, dark grey to black, and actively search for prey within the crop canopy.

Both larvae and adults feed primarily on aphids, but can also consume other soft-bodied pests, as well as plant pollen when prey is limited, allowing the species to persist longer in the crop.

Life cycle

- **Life cycle:** typically lasts 3 to 6 weeks, depending on conditions.
- **Optimal condition:** 18-30°C, Humidity from 50-70%.
- **Quiescence:** Active above 15 °C
- **Reproduction:** Eggs are laid in clusters near prey colonies. Larvae actively feed on prey, primarily aphids and other small, soft-bodied insects. Development duration depends on food availability and environmental conditions.



Introduction rate

Introduction	Quantity	Frequency	Duration
Preventive	2-5 individuals/m²	Weekly	2-3 introductions
Curative ***(light infestation)***	5-10 individuals/m²	Weekly	2 introductions
Hotspots ***(severe infestation)***	10-20 individuals/m²	Weekly	Until control

Application

Introduce them in the morning or late in the afternoon.

Open the container and allow beetles to disperse naturally within the crop canopy, or gently distribute them on infested plants.

Important: Adults can easily escape greenhouses, so installing nets is recommended.

Storage

- Use upon receipt.
  Mortality of less than 10% is normal.
- If needed, store for a maximum of 24 hours at 14–16°C.
- Keep containers out of direct sunlight.
- Do not refrigerate or freeze.