APHID CONTROL: *Micromus varietgatus*, BROWN LACEWING

**Product:**
50 or 100 adults per bottle. This Brown Lacewing is an exceptional predator. It was first collected during a survey of greenhouse peppers, looking for Foxglove Aphid Parasitoids. During the survey, this species was frequently associated with active Foxglove Aphid colonies. Unlike most Green Lacewings, Brown Lacewings are predator at all mobile stages of their lifecycle; in fact, it is the adult that does most of the predation, usually at night. Its eggs are laid low in the plant, providing excellent low level control, which is rare. Adults are 8 mm in length with several dark brown markings on wings.

**Target:**
Their range of prey is equally impressive, aggressively consuming any of the sucking insects such as Aphids, Whitefly, Mealybug etc. They appear to find prey by smell. Has been seen feeding on: Foxglove Aphid, *Aulacorthum solani*, Pea Aphid, *Acyrthosiphon pisum*

**Release:**
50 to 100 in hot spot upon arrival. These insect can not be stored and need to be released immediately.

**Rate:**
50 to 100 in hot spot

**Temperature:**
They can complete their lifecycle in temperatures as low as 4°C making it an excellent predator in ornamentals during the winter.

**Notes:**
- Brown Lacewing should be used in conjunction with other biological controls.
- It was recorded for the first time from North America in 1988, from Galiano Island, on the coast of southwestern British Columbia. The present records confirm the occurrence of this species in eastern Canada.
- *Micromus varietgatus* is a living relative of the Jurassic Lacewing *Leptolingia*. Both are in the order Neuroptera. *Micromus varietgatus* is a member of the suborder Hemerobiiformia, the superfamily Hemerobioidae, and the family Hemerobiidae. *Leptolingia* is in the extinct family Grammalingiidae. *Micromus varietgatus* is widely distributed. It is quite common in Europe and Asia. This lacewing has also been seen in Canada.

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