

BioStratio

Stratiolaelaps scimitus
(formerly *Hypoaspis miles*)



Stratiolaelaps scimitus (formerly known as *Hypoaspis miles*) is a generalist soil-dwelling predatory mite. They stay at the base of plant stems and on the soil, rarely transferring onto the plant itself.

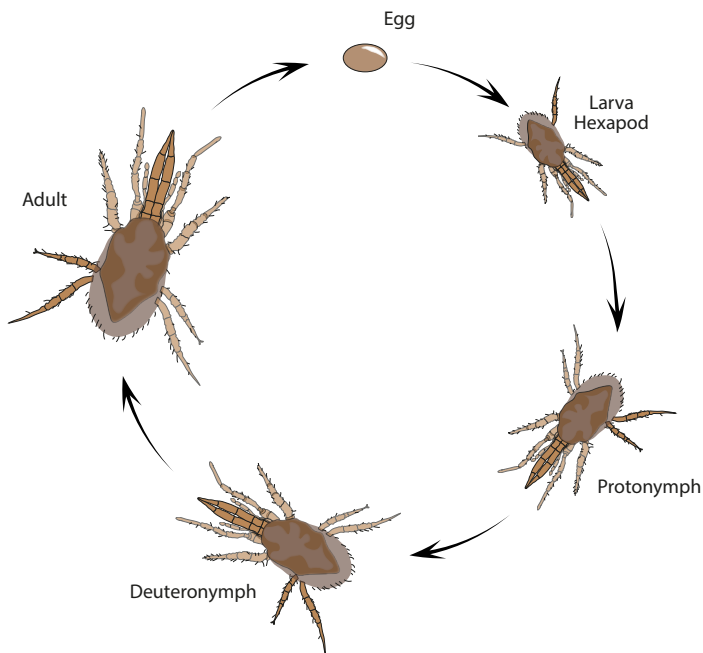


Fungus gnats

DESCRIPTION

BioStratio is a small, pear-shaped mite (0.5mm). Their color varies from cream to brown while the immature stages are usually semi-transparent.

LIFE CYCLE



The life cycle of *S. scimitus*, from egg to adult ranges from 10-34 days and is dependant on temperature, warmer temperatures produce quicker maturation. *S. scimitus* Nymphs and adults feed on soil-dwelling pests and may survive by feeding on algae and plant debris when prey is scarce.

TARGET PESTS

Fungus gnat larvae, Western flower thrips pupae in the soil.

ADDITIONAL TARGETS

Springtails (Collembola), potworms (Enchytraeidae) and other small soil-dwelling insects.

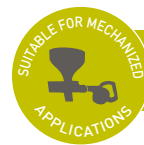
CROPS

Ornamentals, mushrooms, medicinal cannabis, greenhouse grown vegetables and open field vegetables.

PRODUCT



- 1L Cylinder containing 25K/50K mobile stages consisting of adults, juveniles and eggs.



BioStratio is suitable for blower applications.

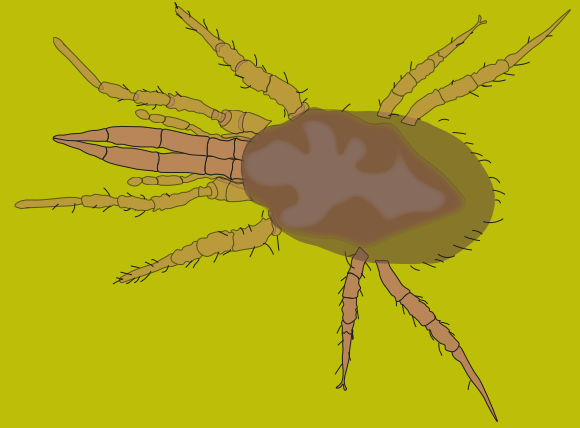


- 5L Bag containing 125K/250K mobile stages consisting of adults, juveniles and eggs.

The carrier material is a mixture of sawdust with or without vermiculite, which contains *Carpoglyphus lactis* eggs and mobile stages as prey for the predatory mite.



BioStratio



ADVANTAGES

- Suitable for blower application such as BugFlow.
- Capable of surviving on algae and plant debris when prey is scarce.
- Compatible with parasitoids and non-mite feeding predators.

APPLICATION & HANDLING

- BioStratio is shipped in aerated boxes. Packaging must be kept intact until placed in the greenhouse.
- Keep in a cool location until release.

CYLINDER APPLICATION

- Gently rotate the cylinder to evenly mix the contents.
- The mites are released by gently tapping the open cylinder over the plants while walking between the rows of the crops.

BLOWER APPLICATION

- Insert the products contents in the receptacle
- The mites are released by blower application at the feet of the plants while walking between the rows of the crops.



STORAGE

Do not expose the cylinders to direct sunlight.

- Store the product horizontally at a temperature of 12-14°C / 53-57°F. Exposure to lower temperatures, may significantly damage the product.
- Do not break the cold chain throughout the transport and storage process.
- You may store the product for up to 48 hours.

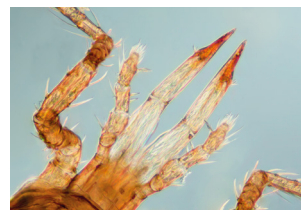
DOSAGE

The amount and frequency of releases is determined by crop, the degree of infestation, weather conditions and damage thresholds on the crop. Additional quantities might be needed according to the infestation level and scouting information.

Consult with your BioBee representative.

MONITORING

Scouting and monitoring is crucial.



In some situations, biological pest control continues throughout the growing season, as successive generations of BioStratio continue to control the pest.

GENERAL COMMENTS

Before combining BioStratio with any chemical pesticide in the crop, please consult your BioBee technical advisory representative for compatibility guidelines.

DISCLAIMER

The success of biological pest control is affected by the crop's initial pest population (upon application of the product), weather conditions and chemical residue present in the crop, among other possible aggravating factors.