

# BioStratio

*Stratiolaelaps scimitus*  
(formerly *Hypoaspis miles*)



*Stratiolaelaps scimitus* is a soil-dwelling generalist predatory mite. BioStratio is used to manage a range of important soil-dwelling pests, including life stages of foliar pests that reside in the soil.

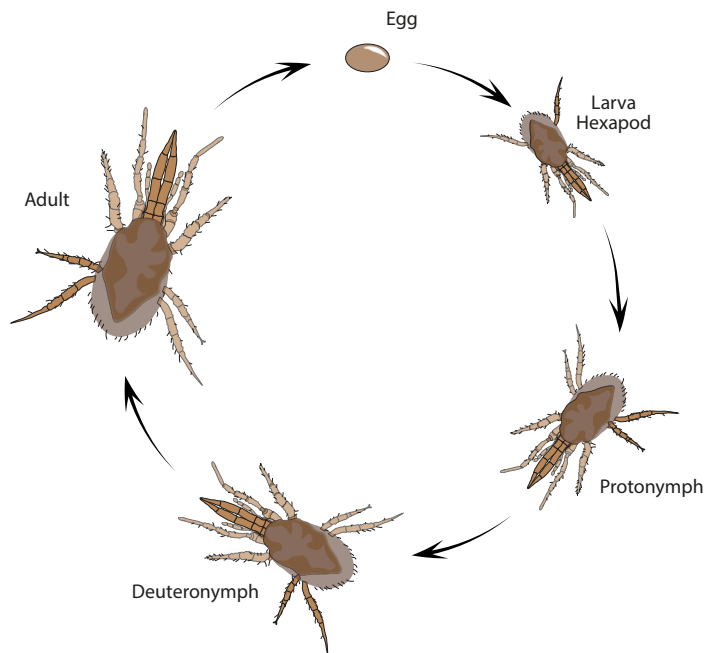


Fungus gnat larvae

## DESCRIPTION

BioStratio are oval shaped, pale cream to brown, with a darker dorsal shield. Adults are larger than phytoseiids (up to 1 mm). The eggs, larvae, and first nymphal instars are pale, becoming light brown as they mature.

## 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.

## TARGET PESTS

Fungus gnat, shorefly larvae, Western flower thrips pupae and other thrips species that pupate in the soil.

## ADDITIONAL TARGETS

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

## 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.

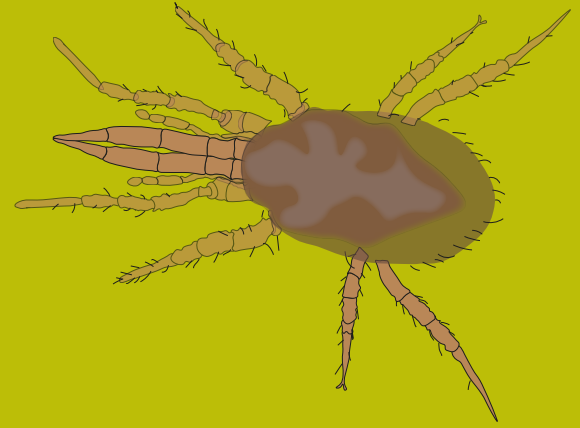


- 5L Bag containing 125K/250K mobile stages consisting of adults, juveniles and eggs.

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



# BioStratio



## ADVANTAGES

- Suitable for blower application such as BugFlow.
- Capable of surviving for several weeks when prey is scarce.
- Compatible with parasitoids, non-mite feeding soil predators and beneficial nematodes

## 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 shaking the open cylinder onto the soil or media while walking between rows of plants.

## BLOWER APPLICATION

- Empty the cylinder's contents into the BugFlow funnel or attach directly, as applicable.
- 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 / 50-57°F. Exposure to lower temperatures, may significantly damage the product.
- It is recommended to remove the product from the boxes and store individually on shelves.
- For optimal results, release within 2-3 days of receipt.

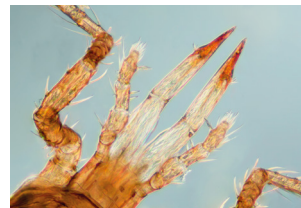
## DOSAGE

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 ideal 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.