PREDATORY MITE

Amblydromalus (Typhlodromalus) limonicus

Product: *Amblydromalus limonicus* is a highly effective predatory mite that plays a vital role in bolstering the biological control of common greenhouse pests such as whiteflies and thrips. Measuring less than 0.5mm in length, these minute predators feature a distinctive beige-pink hue and possess a droplet-shaped body with eight short legs. Notably, their appearance closely resembles that of other predatory mite species, including *Amblyseius swirskii, Neoseilus cucumeris*, and *Neoseilus californicus*.

One of *Amblydromalus limonicus'* standout attributes is its rapid lifecycle, spanning just 7 to 10 days. This characteristic allows them to manage substantial pest populations swiftly and effectively. Female mites exhibit impressive reproductive capabilities, laying 2 to 4 oblong, transparent white eggs per day. These eggs develop into larvae within a mere 1 to 2 days, rapidly progressing to a stage where they can engage with and counter pest infestations.

A notable advantage of *Amblydromalus limonicus* is its heightened activity level at relatively low temperatures, as low as 13-14°C (55-57°F). This makes them exceptionally suitable for introduction during winter periods when greenhouse temperatures can be on the cooler side. This adaptability ensures that these beneficial mites can contribute to pest management throughout the year, even in less favorable conditions.

Target*:* *Amblydromalus limonicus* exhibits a diverse diet, targeting various pests such as thrips, whiteflies, spider mites, and even pollen. Notably, this predatory mite demonstrates a particular penchant for consuming the larvae of different thrips species during their first and second larval stages. Additionally, it efficiently preys on the eggs and larvae of glasshouse and cotton whiteflies. What sets *Amblydromalus limonicus* apart is its capacity to address thrips even at the second larval stage, a capability not shared by Amblyseius swirskii and Amblyseius cucumeris.

Amblyseius swirskii is well-suited for managing low-level whitefly infestations, while *Amblydromalus limonicus* shines as a superior choice when facing more substantial whitefly infestation levels. This distinctive trait makes *Amblydromalus limonicus* particularly effective in scenarios of heightened pest pressure.

Release: The product is packed as 1000 or 10,000 predatory mites (nymphs and adults) in bran. It can be used in a wide range of salad and ornamental crops, except tomatoes.
Turn gently before use and sprinkle material on leaves of crops. Make sure the material remains on the leaves. Aim for a minimum of 5,000 release points per hectare, evenly distributed over the total surface area.

For further Information Contact: **NATURAL INSECT CONTROL**, 3737 Netherby Road, Stevensville, Ontario, L0S 1S0
905-382-2904 (Tel); 905-382-4418 (Fax); info@naturalinsectcontrol.com
For further Information on all NIC Beneficial Insects go to **www.naturalinsectcontrol.com**

Rate:

	rate	m^2/unit	Interval (days)	frequency	remark
Preventive	50/m^2	250	-	1 X	In sweet pepper, only when pollen is present
Curative (light)	100/m^2	125	7	5 X	Start as soon as thrips or whiteflies is present
Curative (heavy)	250/m^2	50	7	3 X	In cases of severe infestation

Amblydromalus limonicus **has a very short life expectancy and therefore need to be introduced into the crop as soon as possible after receipt. Storing them for a period can have a negative impact on their quality.**

Please let us know within 24 hours of receipt if there are any problems with your Live Insect Order.

Bug Out! CLICK HERE to Give Your Insect Friends A New Home.

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