Description

*Aphidius matricariae* is a parasitoid wasp specializing in the control of the Green Peach Aphid (*Myzus persicae*) and is also used to control the Cannabis Aphid (*Phorodon cannabis*). The adult is black with brown legs. This parasitoid wasp has long antennae and is about 2 mm long.

The adult is black with brown legs. This parasitoid wasp has long antennae and is approximately 2-3 mm long. After mating, the female lays her eggs inside juvenile or adult aphids. *Aphidius matricariae* larvae develop and feeds on the internal organs of the aphid. After 7 days, the aphid becomes immobile, swells and turn beige. We call this stage «mummy». A new adult emerges from the parasitized aphid after a few days.

Life cycle

- The optimum conditions are a temperature between 18 and 25 °C and a relative humidity between 60 and 80%.
- The development time of *Aphidius colemani* is 14 days at 21 °C.
- The female lays more than one hundred eggs in her lifetime.
- The mummy stage occurs about 7 days after laying.
- The adult lives 2 to 3 weeks depending on the temperature.
- Does not enter diapause.

Introduction rate

<table>
<thead>
<tr>
<th>Introduction</th>
<th>Quantity</th>
<th>Surface</th>
<th>Frequency</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preventive</td>
<td>0.25</td>
<td>m²</td>
<td>as needed</td>
<td>as needed</td>
</tr>
<tr>
<td>Curative light</td>
<td>1</td>
<td>m²</td>
<td>7 days</td>
<td>2 to 3 introductions</td>
</tr>
<tr>
<td>Curative strong</td>
<td>2</td>
<td>m²</td>
<td>7 days</td>
<td>3 to 6 introductions</td>
</tr>
</tbody>
</table>
Application

*Aphidius matricariae* is used in a greenhouse, inside production and outside production.

It is advisable to use this biocontrol agent as a precaution with the introduction of reservoir plants or to introduce small amounts (0.25 / m²) before the discovery of the first colonies of aphids.

In summer, *Aphidius matricariae* should be used with *Aphidoletes aphidimyza* or with convergent ladybugs. Control is achieved when 80% of the aphids are parasitized.

Yellow sticky traps can affect *Aphidius matricariae*. Use 1 yellow sticky trap per 100 plants and release the agents away from them.

Formats

- 100-0503 - *Aphidius matricariae* - 250 mummies/adults
- 100-0506 - *Aphidius matricariae* - 500 mummies/adults
- 100-0504 - *Aphidius matricariae* - 1k mummies/adults
- 100-0520 - *Aphidius matricariae* - 5k mummies/adults

Instructions

1. *Aphidius matricariae* arrives at the stage of nymph inside a parasitized and dead aphid.
   The adults will emerge after a few days. Keep container at 22-25 °C and in the shade.

2. Upon emergence, release the adults. Open the container in the center of the production.

3. Repeat the introduction every week for 3 weeks or until you find 80% of parasitized aphids.

DO NOT FREEZE - DO NOT REFRIGERATE - For more information, visit www.anatisbioprotection.com