

Trichogramma wasps

Against Corn Borer

Description

Trichogramma are tiny wasps (1 mm) that parasitize moth eggs. In agriculture, they are mainly used to control European corn borer (*Ostrinia nubilalis*).

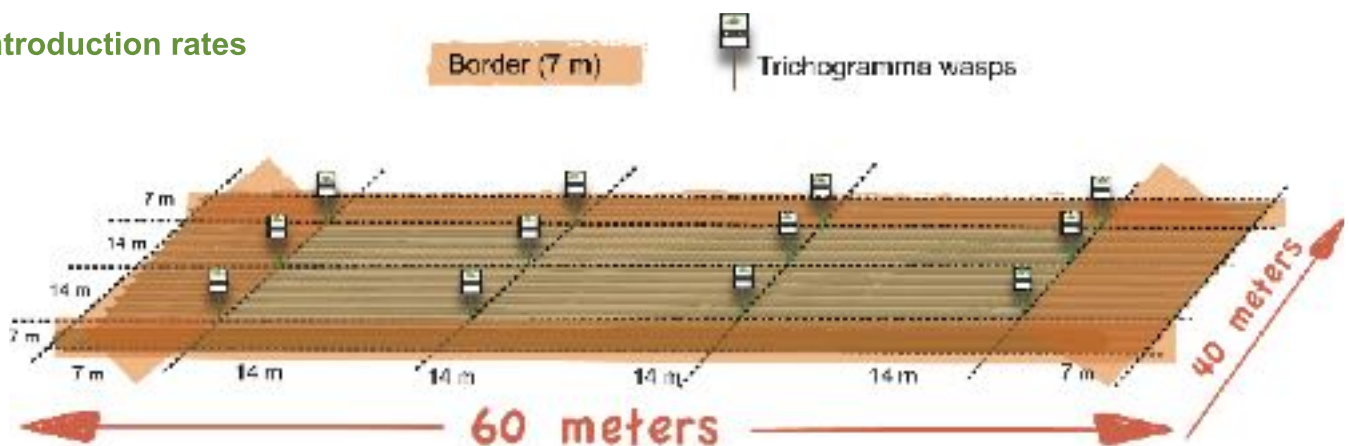
Trichogramma ostrinae pupae are glued on hanger cards and introduced into the field. Once set up, adult trichogramma will emerge after 2 to 7 days, depending on environmental conditions. Upon emergence, the female Trichogramma wasps will actively search for moth eggs on the surface of the leaves. Once detected, she will lay her eggs inside them. The Trichogramma larvae will grow inside the moth eggs and feed on the future corn borer larvae in formation. This will kill the future generation of corn borer.

Life cycle

- Optimal conditions are a temperatures between 18 to 30 °C and a relative humidity of 50 to 80%.
- Trichogramma adults emerge after 2 to 7 days depending on temperature.
- A female parasitize 50 corn borer eggs during her lifetime.
- New adults will emerge 8-14 days later depending on the ambient temperature.



Introduction rates



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Using Tricho-corn

Start the introduction of trichogramma wasps as soon as the corn borer is detected (pheromone lure traps) or around mid-june for the univoltine generation. If Trichogramma wasps are not released during the laying period, they can not prevent the development of larvae (= damage).

The number of cards to be introduced depends on the area cultivated. Trichogramma wasps should be distributed evenly, both in length and width. Poor distribution would cause unprotected areas.

The first hanger card is placed 7 meters from the edge of the field and the next one every 14 meters. For example, for a plot of 100 meters by 100 meters :

100 m wide/ 14 m = 7 introduction rows*

100 m long/ 14 m = 7 cards per introduction row*

*Round to the nearest unit.

Put new cards every week from the emergence of the moth until the end of the cycle. In general, 5 to 10 introductions are necessary. To prevent the loss of non-emerged Trichogramma, keep the cards in the field for a minimum of 3 consecutive weeks.


Formats


A0001 - Tricho-Corn - 8000 pupae - 20 to 99 cards


A0002 - Tricho-Corn - 8000 pupae - 100 cards and +


10% discount on large volume of Tricho-Corn (250 and +)

Instructions

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1 Hold the cards by the edges.
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2 For young plants, attach the card using the wooden stick provided, 15 cm off the ground.
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3 For plants with more than 3 ft long, place card directly on the plant.
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4 Replace the cards every 7 days for minimum 5 weeks, according to the target pest presence.

Do not freeze • Can be refrigerate for a maximum of 4 weeks



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