CATERPILLAR CONTROL
Trichogramma sp. Wasps

Product: *T. minutum* (orchards), *T. pretiosum* (vegetables) & *T. brassicae* (Corn borer etc.). *Trichogramma* - This tiny, golden wasp (0.9mm) is the best known of all egg parasites. They will not sting humans or animals. During the 8–10-day life-span of the female, she can parasitize as many as 100 pest eggs. The Trichogramma parasite lays its eggs in the eggs of the pest. When this occurs, development of the pest worm ceases, and the Trichogramma egg hatches into a larva which feeds on the pest inside the egg. The larva completes its development inside the pest egg, emerging as an adult. The cycle from egg to adult varies with temperature and moisture and may vary anywhere from 7-75 days.

Target: It is known to attack moth eggs of over 200 pest species including codling moth, cabbageworm, tomato hornworm, corn earworm, corn borer, gypsy moth, leafworms, fruitworms, peach borer, diamond back moth, tomato pinworm, cutworms, bollworms, armyworms, tent caterpillars etc., and is an important factor in natural control.

Release: *Trichogramma* are contained on a one-square inch card with approximately 5,000 eggs attached. They are immature and still inside the host eggs. Keep them warm and in a somewhat humid place. Soon after arrival, the adults should begin emerging from the host eggs. They are very tiny and difficult to see. After most have emerged, release them by placing the opened cup in a protected spot near infestations or hanging the cards.

Rate: Prevention - 5,000 eggs/4000 ft² (372 m²) for 3-6 times during peak season. 40,000 to 200,000/ .4ha (1 acre), although generally 100, 000/acre is sufficient per release. Release at first sign of flying moths, as this is when they begin to lay. heromone traps help to determine when to schedule releases.

Notes:

- Wasps will emerge in 2-5 days at 80°F (27°C). They can be delayed by placing them in the fridge for a few days to up to 3 weeks. You can hold them in a paper bag until they hatch, and then release in the heaviest infested areas.
- By releasing *Trichogramma*, you are assisting the natural buildup of beneficial insects in the garden or field. Results depend on timing of the releases and placement of the wasps where and when the moths are laying eggs. Releases should begin when first moths are seen and periodically thereafter. Being an egg parasite, *Trichogramma* will kill pests before they can damage a plant.

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

For further Information Contact: **NATURAL INSECT CONTROL**, 3737 Netherby Road, Stevensville, Ontario, L0S 1S0
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For further Information on all NIC Beneficial Insects go to **www.naturalinsectcontrol.com**