

South American Leaf Miner

Tuta absoluta

Economic impact

The tomato leaf miner, *Tuta absoluta*, originally a serious pest from Latin America, is fast becoming a serious problem to tomato growers. The larvae not only attack the leaves but also the flowers, stems and, most importantly, the fruits causing scarring and drastically reducing the quality of the fruits. The damage the larvae do to the fruit can significantly reduce commercial value of tomatoes from 50% and up to 100% whereby the tomatoes become unsellable. The feeding wounds created by the larvae also allow diseases to indirectly infect the plant. Such infection further reduces the yield and quality of your tomato crops.



At present, the methods used to control *Tuta absoluta* rely too heavily on chemical pesticides. However, such practise is environmentally unsustainable and the constant exposure to these broad spectrum insecticides has resulted in an increase in the prevalence of pesticide resistance in *Tuta*, rendering current conventional methods to control this pest ineffective. As a consequence of this, more and more insecticides are being applied to achieve sub-par control thus exacerbating the problem.

Solutions

The female sex pheromone of *Tuta absoluta* is fast becoming an essential tool in managing this pest effectively. IPS manufactured female sex pheromones of *Tuta absoluta* when used with IPS yellow sticky traps, Unitraps and Delta traps fits into integrated pest management (IPM) strategies perfectly. Our trapping systems can be used to help monitor populations of *Tuta absoluta*, so that growers can determine whether it is necessary to spray or not rather than prophylactic spraying.

Scientific Name:	<i>Tuta absoluta</i>
Active Chemicals:	(E,Z,Z)-3,8,11-Tetradecatrienyl acetate (98% pure) (E,Z)-3,8-Tetradecadienyl acetate (98% pure)
Dosage:	0.5 mg
Dispenser:	Rubber septum
Active Field Life:	6-8 weeks (temperature dependent)
Storage Shelf Life:	2 years when stored correctly



Directions for Use:

This product is intended for use as an attractant for the tomato leaf miner. The dispensers should be used with delta or water traps for mass monitoring or trapping purposes. It is recommended to inspect traps on a regular basis. Even though the dispensers are still releasing pheromones for up to 6-8 weeks depending on the temperature, although it is advisable to replace the pheromone dispensers every 4 weeks.

Storage instructions:

This product is sealed in an impermeable packaging for storage and shipping. Keep product away from direct sunlight, heat, sparks and open flame, store at or below 15°C. It is recommended to store unopened pheromone dispensers within an air tight bag inside a refrigerator or a freezer to achieve up to 2 and 2+ years shelf life respectively. Keep dispensers inside their sealed packaging until use.

Visit www.internationalpheromone.co.uk for more pheromones, traps and lures. All products are made in the UK to the highest quality

