Technical information

**Target pest**
*Tuta absoluta*, common name: Tomato leafminer (TLM)

**Crops**
Tomato, eggplant, solanaceous species

**Formulation**
Suspension concentrate containing > $2 \times 10^{13}$ OB of PhopGV (*Phthorimaea operculella* Granulovirus) per liter.

**Standard dosage**
50 – 200 ml/ha, every 6 – 8 days

**Timing**
At hatching of first larvae. Acts by ingestion.

**Water volume**
200 – 1800 l/ha. Should be adjusted according to crop, leaf area index and spraying equipment in order to ensure full coverage. Ensure good coverage of the underside of the leaves.

**Pre-harvest and re-entry interval (PHI, REI)**
Free of residues on fruits and plants. Minimal PHI and REI, defined according to national registration regulations.

**Toxicity profile**
No maximum residue levels (MRLs) are defined. Contains no chemical ingredients and leaves no residues on the crop. Complies with organic farming. No side effects on non-target organisms and beneficials.

**Compatibility**
Compatible with most insecticides, fungicides and fertilizers. A pH level between 5 and 8.5 in the tank mix has to be respected.

**Storage**
Storage stability: > 2 years at −18 °C, 2 years at 5 °C, 3 months at 20 °C. Avoid temperatures above 35 °C.

Tutavir is an excellent tool for integrated tomato programs in greenhouse as well as outdoor production

✔ Highly compatible with other inputs, also pollinators and other beneficials
✔ Unique and new mode of action for resistance management
✔ Safe for consumer, producer and the environment
Field trials with Tutavir®

Greenhouse tomato trial, Campania, Italy, 2018

Spray Application

- Btk (1000 g/ha)
- Tutavir (100 ml/ha)

Untreated control

Trap Catches

Mined leaflets per leaf

July 11
July 18
July 25
August 1
August 8

Tomato trial, Sicily, Italy, 2017

4 applications once a week, assessment 7 days after last application

Efficacy

Damaged fruit 28 Days after application [%]

- Untreated check
- Tutavir (100 ml/ha)
- Tutavir (200 ml/ha)
- Btk (1 kg/ha)
- Indoxacarb (0.15 kg/ha)

- 77%
- 89%
- 87%
- 91%
Field trials with Tutavir®

On-farm greenhouse tomato trial, NRW, Germany, 2018
Weekly application, assessment two weeks after 7th application. Decrease in large mines indicates death of larva in the mine.

On-farm greenhouse tomato trial, NRW, Germany, 2018
Six applications, once a week.
TUTAVIR®: Swiss quality

Tutavir® is produced by Andermatt Biocontrol in Switzerland. The company Andermatt Biocontrol is certified according to ISO 9001:2008.

Andermatt Biocontrol is committed to highest quality of its products. Every produced batch of Tutavir® undergoes a systematic bioassay process. The virulence of each batch is tested against the standard reference batch within the Andermatt Biocontrol laboratories. Only batches that fulfil the high quality standards will be released into the market.

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