



Aiko

a new generation
biological based
hybrid formulation



Sineria

 **SINERIA
HYBRID**



Sineria has developed a bridge solutions portfolio

Transition from a system rooted in toxic pesticides to a healthier, low-residue, biological-based sustainable system.

Hybrid technology which effectively combines biological based ingredients highly refined:

- Plant extracts
- Natural microbial agents
- Fermentation products



**Bacillus thuringiensis
var. Aizawai
10.000 IU**

**Sophora Flavescens
plant extract
25%**

Aiko leverages the benefits of both technologies to deliver superior benefits and features than other formulations

Hybrid Formulation characteristics

- High efficacy
- **Stronger Knockdown effect**
- Liquid formulation
- No refrigeration needed
- 2 years shelf life
- Can be used with normal spraying equipment
- Broad spectrum of activity
- Low residue levels
- Low toxicity profile
- IPM Compatible

Most common microbial formulations

- Moderate efficacy
- **Weak Knockdown effect**
- WPs - Wettable Powders
- Vitality of spores is ensured in refrigerated conditions
- Less than 2 years shelf life
- Require special spraying equipment
- Narrow spectrum of activity
- Low residue levels
- Low toxicity profile
- IPM Compatible



Biological hybrid derived insecticide, that combines pure refined *Sophora flavescens* Plant Extract with Micro-organisms, for the control of Lepidoptera pests, Leafminers, Spidermites and soft body insects on a wide range of crops.

Advantages in Use:

- High Efficacy
- Wide spectrum of Activity
- Controls difficult pests
- Good knock-down effect
- Not harmful to vertebrates
- Low residue index
- Decreasing the resistance risk
- IPM Compatible

Multiple mode of Action

Unique combination of extraction & microbial technology:



Application rate

CROPS	PEST	RATE
Ornamentals	Lepidoptera pests, Fall armyworm, Leafminers, Thrips, Whiteflies, Spidermites	0.8 - 1.2 Lt/Ha
Vegetables (Peppers, Tomato, Cruciferae, Carrots, Paprika, Eggplant)	Lepidoptera pests, Fall armyworm, Leafminers, Thrips, Whiteflies, Spidermites	0.6 - 1.0 Lt/Ha
Potato, Beans	Potato tuber moth, Leafminers, Lepidoptera pests, Spidermites, Whiteflies	0.6 - 1.0 Lt/Ha
Maize (Corn)	Maize stalk borer, Thrips, Fall armyworm, Leafminers, Spidermites	0.6 - 0.8 Lt/Ha

- Ensure thorough coverage of the plants.
- Repeat application at 7-14 days interval depending on environmental conditions and disease pressure



Aiko in action

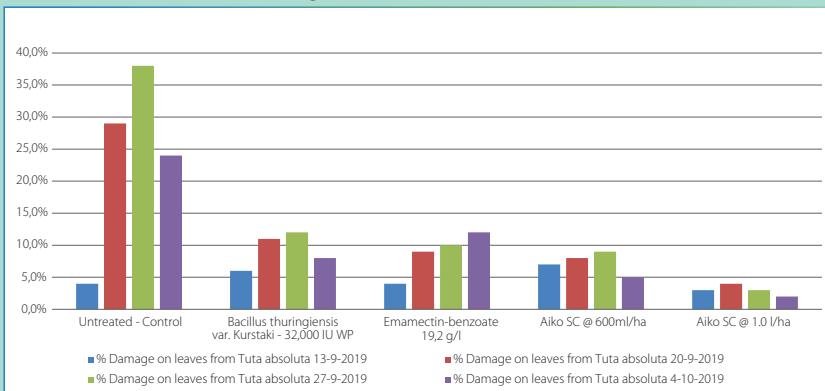
Trial Result of Aiko SC against *Tuta absoluta*

Location: Palagiano, Italy
Report Date: November 2019
Crop: Tomato
Pest Target: *Tuta absoluta*
Water Volume: 1000 Lt/Ha

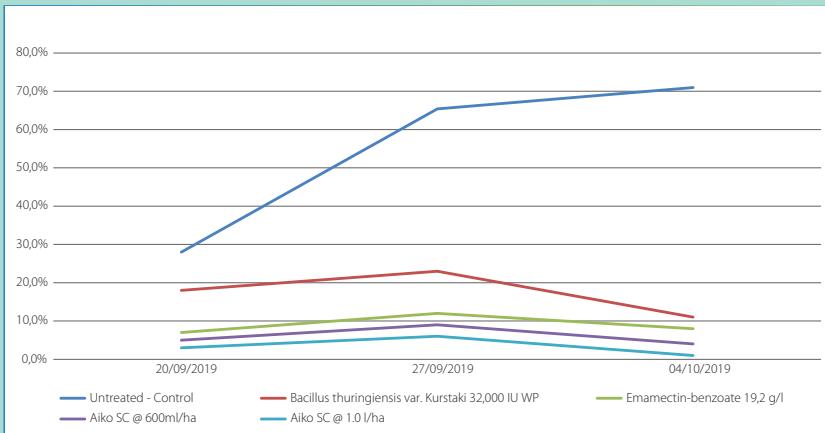
Treatments

Treatment	Application rate	1st Application	2nd Application
Untreated - Control	-	13-09-2019	27-09-2019
Bacillus thuringiensis var. Kurstaki 32,000 IU WP	800 gr/Kg	13-09-2019	27-09-2019
Emamectin-benzoate 19,2 gr/Lt	600 ml/Ha	13-09-2019	27-09-2019
Aiko SC	600 ml/Ha	13-09-2019	27-09-2019
Aiko SC	1,0 Lt/Ha	13-09-2019	27-09-2019

% Damage on leaves from *Tuta absoluta*



% Damage on Attached fruits from *Tuta absoluta*



NOTE - EXPORT OF TREATED CROPS

User should note that MRL's or import tolerances may vary between countries where crops are exported to. Some crops for export may require longer harvest withholding periods. If you plan to use this Product on crops for export please check with your exporter/relevant organizations before using the product to confirm its fits your requirements. PHI indication on label/PIS (if provided) is a reference only.

User should check and verify the required PHI as per his requirements. No warranty is provided for PHI indication.

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