Aiko

a new generation
biological based
hybrid formulation

Low RESIDUE

Sineria

SINERIA HYBRID

PIS-AIKO-ALLCO_EN_SIN-20200915

Sineria has developed a bridge solution portfolio

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

Hybrid technology effectively combines highly refined biological based ingredients:

- Plant extracts
- Natural microbial agents
- Fermentation products

Microbial + **Natural Plant Extract** = SINERIA HYBRID

Bacillus thuringiensis var. Aizawai
10.000 IU

Aiko

***Sophora Flavescens* plant extract**
25%

Aiko's unique combination offers a highly synergetic effect with minimum residues

Hybrid Formulation characteristics

Most common microbial formulations

Hybrid Formulation characteristics		Most common microbial formulations
High efficacy	⟷	Moderate efficacy
Stronger Knockdown effect	⟷	**Weak Knockdown effect**
Liquid formulation	⟷	WPs - Wettable Powders
No refrigeration needed	⟷	Vitality of spores in ensured in refrigerated conditions
2 years shelf life	⟷	Less than 2 years shelf life
Can be used with normal spraying equipment	⟷	Require special spraying equipment
Broad spectrum of activity	⟷	Narrow spectrum of activity
Low residue levels	⟷	Low residue levels
Low toxicity profile	⟷	Low toxicity profile
IPM Compatible	⟷	IPM Compatible

Aiko

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:

Aiko

Contact Activity

Upon Application
Sophora Extract action

Ingestion Activity

Upon feeding on treated crops
BtA action and Sophora

Application rate

CROPS	PEST	RATE
Ornamentals	Lepidoptera pests, Fall armyworm, Leafminers, Thrips, Whiteflies, Spidermites	0.8 - 1.2 Lt/Ha
Vegetables (Peppers, Tomato, Crucuferae, Carrots, Papikra, 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

Important Note:
The indicated crops and recommended rate of application mentioned in this Product informative sheet may not be applicable in the country where the product is intended to be used. User must refer and use the product only as per the officially registration at the country of use and the approved uses and rates by the authorized authorities. The supplier will not be responsible or liable if the product is used on crops which are not listed on the official label as approved the ministry of agriculture at the country of use.

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Aiko in action

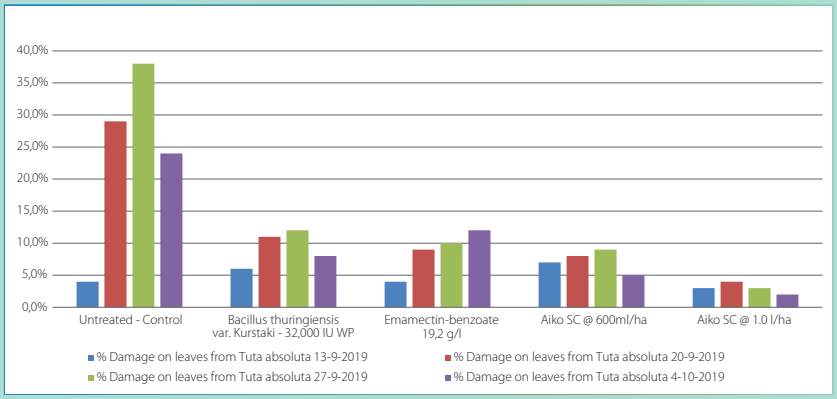
Trial Result of Aiko SC against Tuta absoluta

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

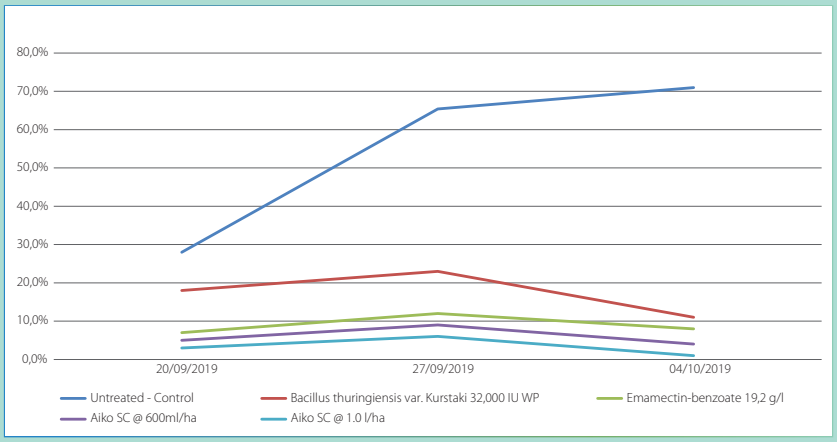
Treatments

Treatment	Application rate	1st Application	2nd Application
Untreated - Control	-	13-09-20199	27-09-2019
Bacillus thuringiensis var. Kurstaki 32,000 IU WP	800 gr/Kg	13-09-20199	27-09-2019
Emamectin-benzoate 19,2 gr/Lt	600 ml/Ha	13-09-20199	27-09-2019
Aiko SC	600 ml/Ha	13-09-20199	27-09-2019
Aiko SC	1,0 Lt/Ha	13-09-20199	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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