# Okida™ SC

a new generation biological based hybrid formulation

Sineria

SINERIA HYBRID

Low RESIDUE

# Okida™ SC

Sineria has developed a "bridge solution" portfolio which is a transition from a system rooted in toxic pesticides to a healthier, low-residue, biological-based sustainable system.

Biological Active + Synthetic Active

SINERIA HYBRID

**Hybrid technology effectively combines synthetic plant protection actives with biological ingredients, such as:**

- Plant extracts
- Natural microbial agents
- Fermentation products

## Performance

**Hybrid Formulation characteristics**

- Delivers technological advantages while maintaining low toxicological profile and low residue level.
- Can be integrated into conventional spraying methods
- Improves toxicological profile
- Lower crop residue levels
- Release pesticide resistance pressure
- 2 years shelf life
- Broader spectrum of activity
- Reduced amount of synthetic active in the field
- Improve compatibility for IPM Program

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# Okida™ SC

SINERIA HYBRID

## Unique combination of extraction & fermentation technology

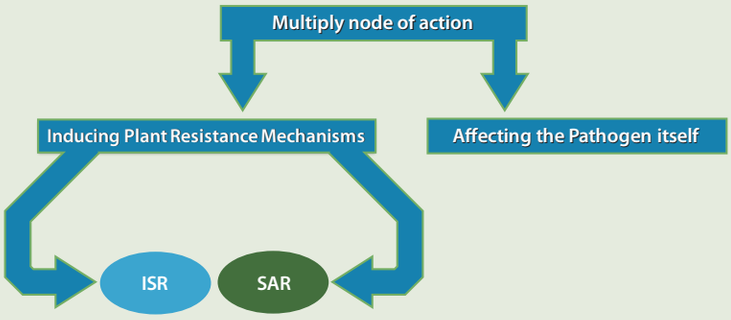
**Rheum officinale plant extract 5% fermented with Pyraclostrobin 13% SC**

**OKIDA SC™** is highly active, Hybrid solution against a wide range of Fungal and Bacterial diseases on a crops as listed.

**OKIDA SC™** is an integration of both Botanical and low toxicity synthetic ingredient that delivers better toxicological profile, lower residue index and lower impact on baneficials and polinators.

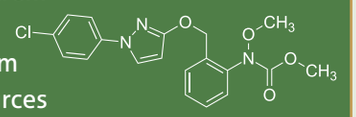
**OKIDA SC™** is formulated as SC – Suspension Concentrate

## Multiple mode of Action




## Why Pyraclostrobin?

- Broad spectrum of Activity
- Derived from Natural sources
- Very safe tox profile
- Can be used as foliar and drench
- Systemic with protective and curative action
- Favourable PHI vs Triazoles




## Okida Unique fold mode of action:

**OKIDA SC™** activates the plant immunity by eliciting the Systemic Acquired Resistance (SAR) of the attacked plant and by inducing systemic resistance mode of action (ISR), which causes plants to arm their own defense systems against attacking pathogens.

One of the more effective resistance self-immunity mechanism is manipulating the plant to regenerate phytoalexins that prevent spores and fungus from penetrating the plant.

Pyraclostrobin: Strobilurin fungicide, FRAC Group C, Code 11

• Strobilurin fungicide based on naturally occurring substances found in certain species of wild mushrooms.

Characteristics:

• Broad spectrum fungicide with protectant, curative, eradicant and systemic properties.

• Possesses a novel biochemical mode of action.

• Its fungicidal activity results from the inhibition of mitochondrial respiration in fungi.

## Directions for Use

| CROPS | PEST | RATE |
|---|---|---|
| **Tomatoes, Potatoes** | Downy Mildew, Alternaria, Sclerotinia, Bacterial diseases | 0.5-0.8 l/ha |
| **Cruciferae (Cabbage, Broccoli)** | Alternaria, Botrytis, Sclerotinia, Powdery Mildew | 0.8-1.2 l/ha |
| **Onions** | Powdery Mildew, Purple blotch, (Alternaria) Sclerotinia, Rust, Bacterial diseases | 0.5-0.8 l/ha |

- Spray OKIDA SC™ preventively or in the early stages of the disease evelopment.
- Ensure thorough coverage of the plants.
- Repeat application at 7-14 days interval depending on environmental conditions and disease pressure.

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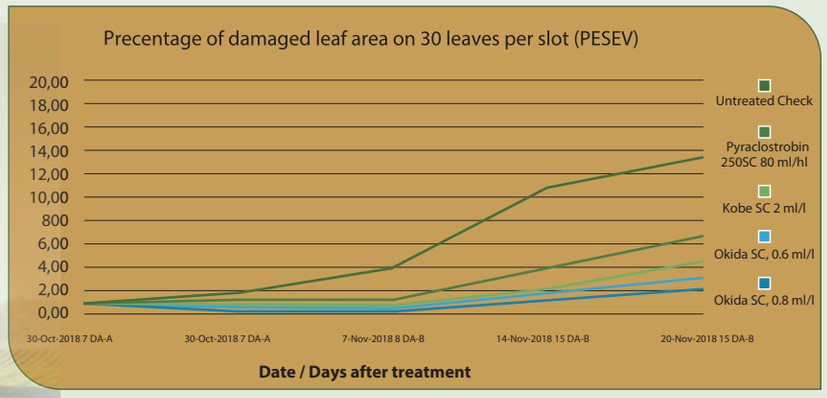
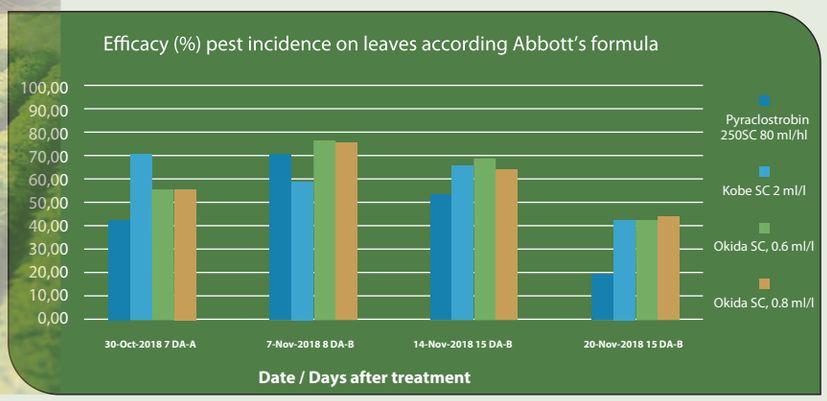
# Okida in action

## Determination of Efficacy of **Okida SC** Against Powdery Mildew on Cucurbits Under Greenhouse Conditions in One Site in South Europe

| Application Schedule and Product Description | | | | | | |
|---|---|---|---|---|---|---|
| **T** | **Product** | **Formulation** | **Active Ingredient** | **Rates** | **Application Timing** | |
| T1 | Control | | | | | |
| T2 | Kobe SC | SC | Rheum officinale plant extract 10% | 2 L/ha | A | B |
| T3 | Azoxystrobin 25%SC | EC | Azoxystrobin 250 g/l | 80 ml/hl | A | B |
| T4 | Okida SC | - | Rheum officinale plant extract 5% + Pyraclostrobin 13% SC | 0.6 ml/l | A | B |
| T5 | Okida SC | - | Rheum officinale plant extract 5% + Pyraclostrobin 13% SC | 0.8 ml/l | A | B |

| Application Timing (AT) | | Spray Volume |
|---|---|---|
| A | At the beginning of first symptoms | 400 - 1000 L/ha |
| B | 7 ± 1 day after application A | 400 - 1000 L/ha |



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