Takezo 200SC

Highly active, Hybrid fungicide against Downy mildew, Botrytis, Early and Late blight, Sclerotinia, Purple blotch, Phoma wet blotch and Cercospora leaf spot on a wide range of crops.

Sineria

SINERIA HYBRID

Sineria has developed a bridge solutions portfolio

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

Hybrid technology effectively combines synthetic pesticides with biological ingredients:

Plant extracts | Natural microbial agents | Fermentation products

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

Biological Active + **Synthetic Active** = SINERIA HYBRID

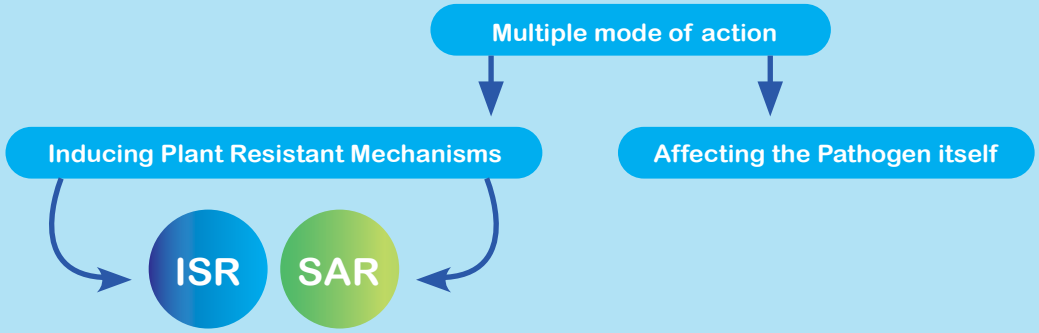
Takezo unique combination offers a highly synergistic effect with minimum residues

Cnidium monnieri plant extract 5% + **Boscalid 15%** = Takezo 200SC

Cnidium monnieri plant extract 5% + Boscalid 15% SC

- Highly active, Hybrid fungicide against Downy mildew, Botrytis, Early and Late blight, Sclerotinia, Purple blotch, Phoma wet blotch and Cercospora late leaf spot on a wide range of crops.
- Takezo 200SC is an integration of both Botanical and low toxicity synthetic ingredient that delivers better toxicological profile, lower residue index and lower impact on beneficials and pollinators.
- Takezo 200SC is formulated as SC – Suspension Concentrate

Multiple Mode of Action



Cnidium monnieri plant extract 5%

- *Cnidium monnieri* plant extract controls the ergosterol iosynthesis in fungi, restraints the assimilation of glucose, calcium and inhibits the activity of adenosine triphosphatase (ATPases).
- *Cnidium monnieri* has anti-fungal, anti-bacterial and anti-viral properties

Boscalid

FRAC Code 7; FRAC mode of action group: C2

A systemic fungicide, mainly absorbed by the foliage, with protective and curative properties. Boscalid inhibits spore germination and germ tube elongation. Acts as a Succinate De-Hydrogenase Inhibitor in the mitochondrial electron transport chain. Boscalid protects the plant by inhibiting fungal spore germination and has curative effect by inhibiting mycelial growth and sporulation.

Directions for Use

Crop	Disease	Recommended Rate
Potatoes	Alternaria (Early blight), Botrytis, Sclerotinia white mould	1.0 - 1.5 L/Ha
Tomatoes, Peppers, Curcubits	Botrytis gray mould, Alternaria (Early blight)	
Soybean, Groundnuts, Peas, Beans	Alternaria (Early blight), Botrytis, Sclerotinia white mould, Late leaf spot (Cercospora), Phoma wet blotch	
Onions, Garlic	Botrytis, Downy mildew, Purple blotch (Alternaria), Sclerotinia	
Blueberries	Botrytis, Downy mildew	0.8 - 1.2 L/Ha
Ornamentals	Botrytis, Downy mildew, Alternaria (Early blight)	
Grapes	Botrytis gray mould, Downy mildew	1.5 - 2.0 L/Ha
Banana	Black sigatoka	2.0 - 3.0 L/Ha

- Spray Takezo 200SC preventively or in the early stages of the disease development.
- Ensure thorough coverage of the plants.
- Repeat application at 7-14 days interval depending on environmental conditions and disease pressure.

Sineria | SINERIA HYBRID

Takezo in the Field

Spain, 2020

Determination of Efficacy of Takezo 200SC Against Early Blight (Alternaria) and Downy Mildew on Cucurbits in open field crops.

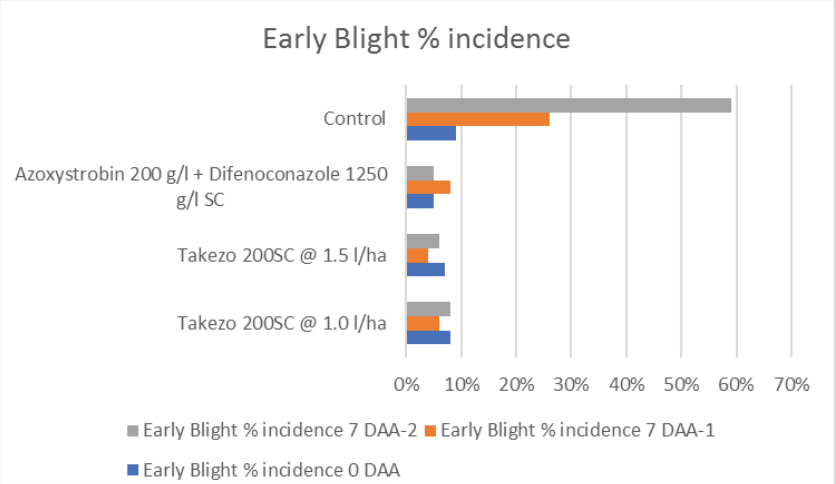
Application Schedule and Product Description

Product	ACTIVE INGREDIENT	APPLICATION RATE
Takezo 200SC	*Cnidium monnieri* plant extract 5% + Boscalid 15% SC	1.0 L/Ha
Takezo 200SC	*Cnidium monnieri* plant extract 5% + Boscalid 15% SC	1.5 L/Ha
Reference Standard	Azoxystrobin 200 g/l + Difenoconazole 1250 g/l SC	0.8 L/Ha
Control	Water	-

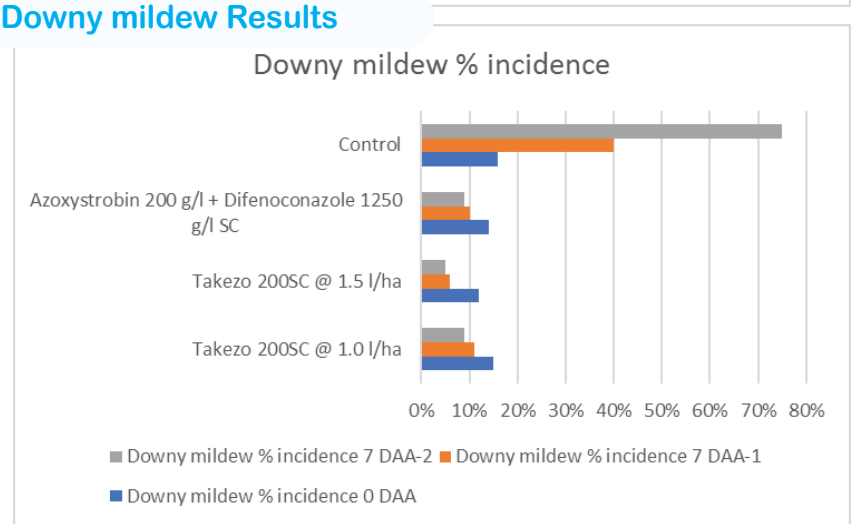
Application notes

- All products were applied twice @ 7 day interval
- Spray volume: 600 l/ha

Early Blight (Alternaria) Results



Downy mildew Results



Legend

0 DAA:
On the application day

7 DAA-1:
7 days after application 1

7 DAA-2:
7 days after application 2
(14 days after applicatiuon 1)