



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 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



SINERIA
HYBRID

Synthetic
Active

Takezo unique combination offers a highly synergistic effect with minimum residues

Cnidium monnieri
plant extract
5%

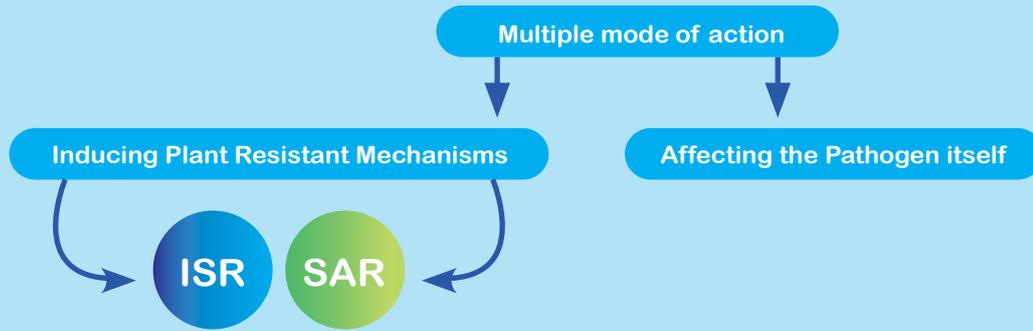
Takezo 200SC

Boscalid 15%

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 biosynthesis in fungi, restrains 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, Cucurbits	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	0.8 - 1.2 L/Ha
Blueberries	Botrytis, Downy mildew	
Ornamentals	Botrytis, Downy mildew, Alternaria (Early blight)	1.5 - 2.0 L/Ha
Grapes	Botrytis gray mould, Downy mildew	2.0 - 3.0 L/Ha
Banana	Black sigatoka	

- 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.

Takezo in the Field

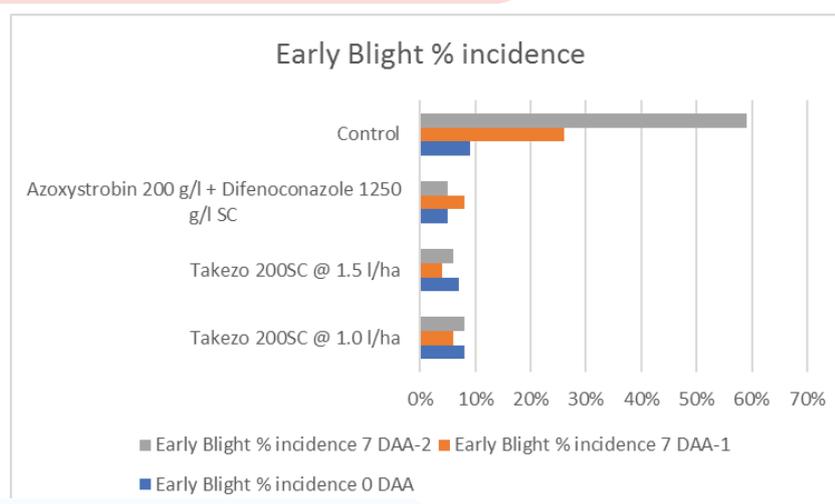
Determination of Efficacy of Takezo 200SC Against Early Blight (*Alternaria*) and Downy Mildew on Cucurbits in open field crops.

Application Schedule and Product Description

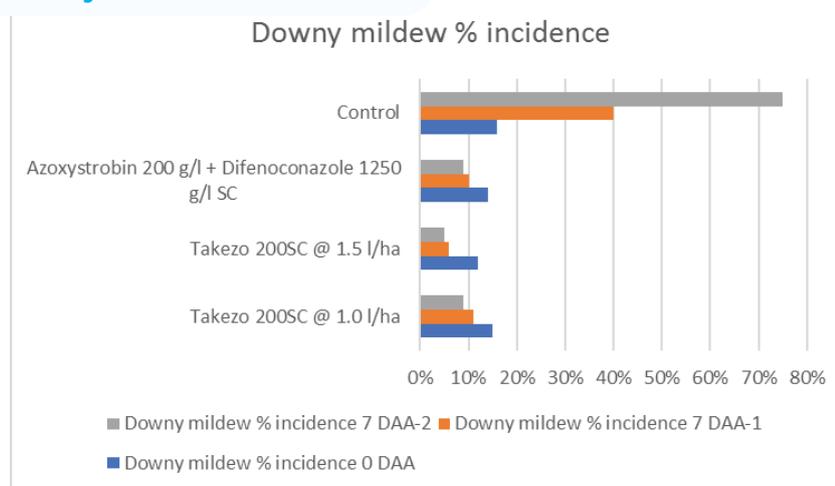
Product	ACTIVE INGREDIENT	APPLICATION RATE	Application notes - All products were applied twice @ 7 day interval - Spray volume: 600 l/ha
Takezo 200SC	<i>Cnidium monnieri</i> plant extract 5% + Boscalid 15% SC	1.0 L/Ha	
Takezo 200SC	<i>Cnidium monnieri</i> plant extract 5% + Boscalid 15% SC	1.5 L/Ha	
Reference Standard	Azoxystrobin 200 g/l + Difenconazole 1250 g/l SC	0.8 L/Ha	
Control	Water	-	



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 application 1)

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