

CeraXel®

The Natural Way to Higher Yield

CeraXel® is a phosphite-based booster that enhances the resistance against fungi and oomycetes, and reduces the fungicide load in crop protection

Ceradis®
Agro Formulations



CeraXel®

The Natural Way to Higher Yields



CeraXel® is fungicide based on disodium phosphite and an organic ingredient (lignosulfonate) that stimulates the resistance against a broad spectrum of fungal and oomycete diseases. It is mainly used as a booster in combination with both contact and systemic commercial pesticides. When combined with these products, the dose can be reduced by half while maintaining full efficacy. This leads to cost reduction and to a more environmental friendly way of crop production.



CeraXel® is a unique Ceradis product containing lignosulfonate (CaLS). This new formulation has been developed in cooperation with Wageningen University and Research Center and has been patented.

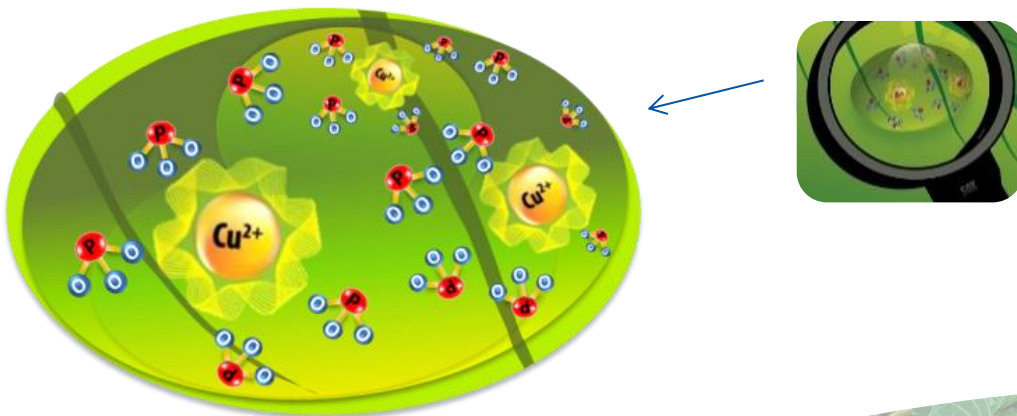


Mode of Action



CeraXel® has two main ingredients, disodium phosphite and the organic compound lignosulfonate. Phosphite provides direct as well as indirect protection by enhancing the plant's natural line of defenses and stimulating the production of phytoalexins. Phosphite is very mobile within the plant and translocates through the xylem and phloem vessels after being absorbed by the leaves. Lignosulfonate makes **CeraXel®** compatible with other products by reacting with metals in the solution. It also prevents calcium deficiencies and crystallization of the solution.

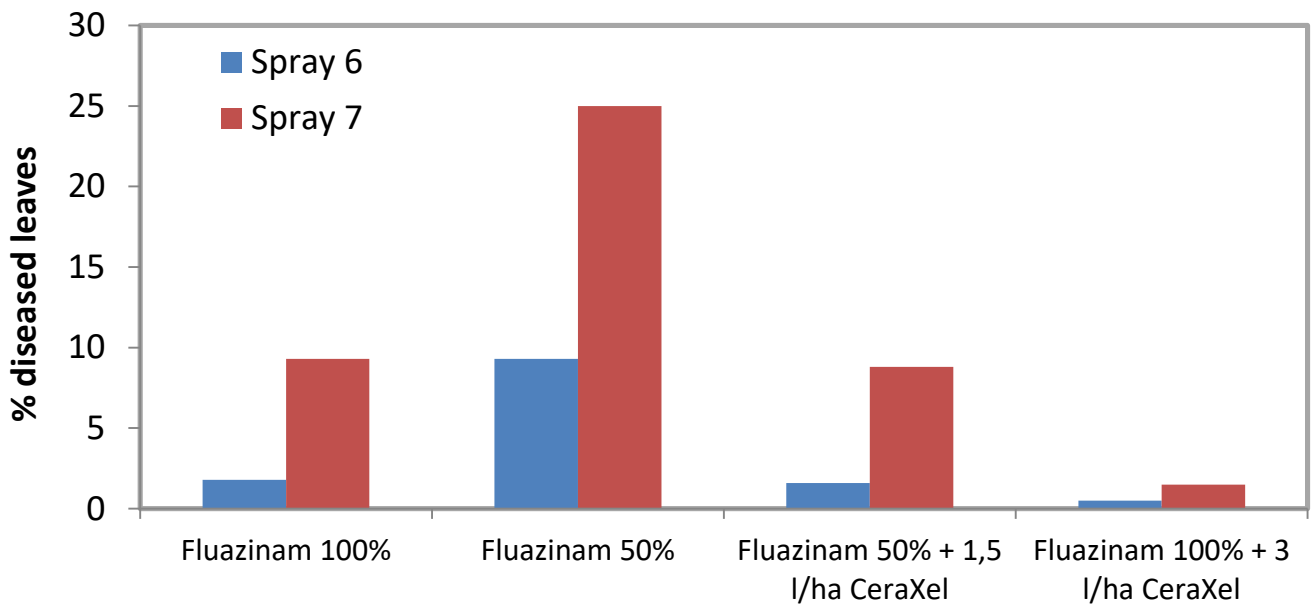
When CeraXel is mixed with metals as copper, the copper is surrounded by an organic film which allows for slow release and prevents phytotoxicity.



Experimental Results



Figure 1: Efficacy measurement of phosphite and Fluazinam against *Phytophthora infestans* on potato



Greenhouse trail on potato (cv Bintje) in the Netherlands. Spray interval 7 days.



Application & mixture preparation



Use:

CeraXel® is stable in solution and easy to use. It is also compatible with other crop protection products.

Preparation:

Add the recommended amount of **CeraXel®** (2-3 l/ha) to the tank-mix and fill up with 50% of water. Add additional fungicides and insecticides as desired. Fill the tank up to the final volume and keep stirring until fully dissolved.

Crops:





CeraXel® has a wide range of crop application, for example grapevine, potato and tomato.



Additional Information



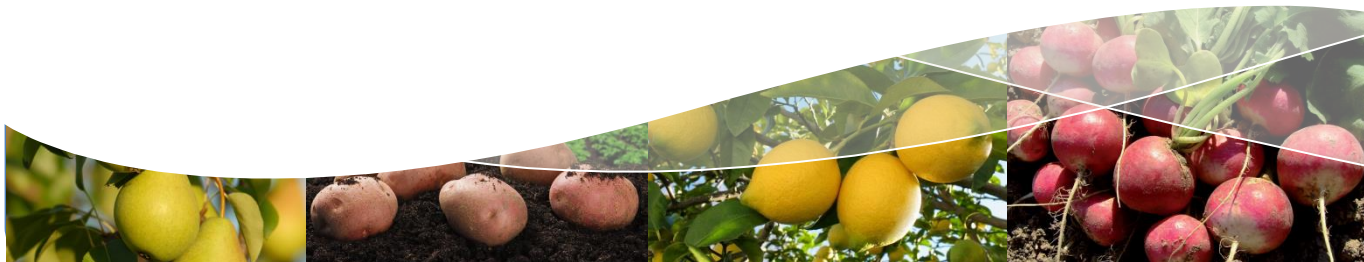
Benefits

-  Cost reduction and environmental friendly
-  Provides direct protection and stimulates plant defenses
-  Can be used as an efficacy booster with other fungicides
-  High compatibility with other pesticides in the tank-mix



Composition

Compounds	
Disodium phosphite	500 g/l
Inert ingredients	845 g/l
Total (pH = 8.2)	1345 g/l



Benefits of CeraXel®

- Reduces the dose load of pesticides
- Provides protection against fungi and oomycetes
- Eco-friendly and safe for the user



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