



An Agricultural
Sciences Company

Tizca® 500 SC

Fungicide

PRODUCT DESCRIPTION

A suspension concentrate contact fungicide for the preventive control of foliar Late Blight (*Phytophthora infestans*) and protection against powdery scab (*Spongiospora subterranea*) in potatoes.



TIZCA® 500 SC FUNGICIDE AT A GLANCE

Registration No.	L9555
Active ingredients	Fluazinam (pyrimidine) – 500 g/l
Chemical class	Pyrimidine
FRAC Group	29

RESISTANCE MANAGEMENT

For resistance management, **Tizca® 500 SC** fungicide is a FRAC group code 29 (uncoupler of oxidative phosphorylation) contact fungicide. Any fungus population may contain individuals naturally resistant to **Tizca® 500 SC** fungicide and other group code 29 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **Tizca® 500 SC** fungicide or any other group code 29 fungicides. To reduce the possibility of resistance build up, avoid exclusive repeated use. **Tizca® 500 SC** fungicide should be alternated with pesticides of other chemical groupings. **Tizca® 500 SC** fungicide should not be applied to the same crop more than 10 times per season.

MODE OF ACTION

Fluazinam is a preventive contact fungicide. It displays multi-site mode of action, by disrupting the production of energy at several metabolic pathways within the fungal cell. It is absorbed into the fungal spores, and is rapidly conjugated with glutathione, thereby depleting glutathione from germinating fungal spores, germ tubes, appressoria and infection pegs. This disruption in energy (ATP) production in the fungus results in the inhibition of various infectious processes including sporulation, spore motility, spore germination and hyphal penetration and growth, resulting in the death of the fungus. Fluazinam is a protectant fungicide and when applied to plants, remains primarily on the plant surface, is not taken up to any extent by the plant and is not translocated within the plant like systemic fungicides.

**USE PLANT PROTECTION PRODUCTS SAFELY AND WITH RESPONSIBLE CARE.
PLEASE ALWAYS FOLLOW THE LABEL WHEN APPLYING PLANT PROTECTION PRODUCTS.**



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CROPS AND PESTS CONTROLLED

Refer to label for application rates and time of application.

CROPS	PESTS CONTROLLED
Potatoes	Powdery scab (<i>Spongospora subterranea</i>) Late blight (<i>Phytophthora infestans</i>)

BIOLOGICAL ACTIVITY

- Fluazinam is a pyrimidine fungicide with contact and protectant activity. Fluazinam controls a broad spectrum of diseases, and is particularly effective on potato late blight.
- Fluazinam is a fungicide with high protective action and a good residual effect. As fluazinam has protectant activity, it is important that it is applied before onset of the disease.
- Fluazinam provides excellent control of diseases belonging to the Oomycetes: late blight (*Phytophthora infestans*) on potato.
- When applied as an in-furrow application, Fluazinam also has an effect on powdery scab (*Spongospora subterranea*) on potatoes.



FOR MORE INFORMATION

Put this powerful tool to work for you. Contact your local crop protection retailer, or FMC representative to learn how you can get more consistent control of key diseases in various crops with **Tizca® 500 SC** fungicide.

FMC Chemicals (Pty) Ltd

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1988/001451/07

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Always read and follow the label directions and precautions for use. Tizca® 500 SC contains Fluazinam (Pyrimidine) warning. Tizca® is a trademark of FMC Corporation or an affiliate.

WARNING: May cause an allergic skin reaction, Suspected of damaging the unborn child. Very toxic to aquatic life with long lasting effects.