

2.8 Nustar® 40EC

Organic systemic fungicide for control of Scab and Powdery Mildew in apples; Powdery mildew and Black rot in grapes; Powdery mildew, Black spot and Rusts in Ornamentals and most major cereal diseases.

Flusilazole400g/L

Mode of Action

Flusilazole is an Ergosterol Biosynthesis Inhibitor (EBI) which makes fungal membranes rigid and leaky, so the pathogen hyphae cannot grow and infect the host. Flusilazole blocks elongation of primary hyphae after spore germination has occurred. It does not prevent spore germination like protectant fungicides. However, applications of flusilazole prior to infection, provide outstanding preventative control of diseases

It is not another “triazol” but the only Silicotriazol on the market place, issued from a novel chemistry!

Benefits

- Flusilazole has the ability to control pathogens after the infection has occurred, during the development of the mycelium inside the tissues and before the appearance of disease symptoms (curative effect).
- Has Lower flash point - Flusilazole rapidly penetrates the plant and, through movement in the water conducting tissues (xylem), becomes evenly distributed within plant tissue likely to be or become infected. This property contributes to its superior field performance and allows post-infection activity.
- crop safety - excellent selectivity on all treated cultivars
- preventive activity and redistribution – has Better affinity with lipids (Log p = 3.7) hence slow systemicity and uniform distribution in the plant
- Optimum volatility ~ good balance between redistribution and waste
- A very long preventive and curative action It has relatively long lasting preventive action and has an extended post-infection eradicant effect which can last up to 120 hours in case of Apple scab
- Compatibility: compatible with most insecticides, acaricides and other Fungicides.

Application Rates

Apply as a spray using the necessary amount of spray mixture to obtain good coverage of the crops.

Crop	Disease	Rate	Remarks
Apples	Scab & powdery mildew	7.5ml/ 100L 80-200ml/ Ha	3-5 applications at 10-12 day intervals.
Grapes	Powdery mildew Black rot	50ml/ Ha	Apply at first sign of a disease. Repeat every 10-14 days.
Ornamentals	Powdery mildew, Blackspot/ Leafspot, Rusts	100-200ml/ Ha	Apply when symptoms first appear. Repeat every 10-14 days
Cereals	Puccinia-rusts <i>Rhynchosporium</i> <i>Helminthosporium</i> , <i>Septoria</i> spp.	400-500ml/ Ha	Apply at emergence of the flag leaf or when disease is first observed.

Compatibility

Nustar 40EC is compatible with most insecticides, acaricides and other Fungicides.

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