

Fusarium Patch (*Microdochium nivale*)



The fungal pathogen *Microdochium nivale* (also known as *Fusarium nivale* and *Gerlachia nivalis*), causes Fusarium Patch on all cool-season turf species. The fungus exists as spores and mycelia in thatch and soil during the summer. Symptoms of Fusarium Patch develop when the weather is cool (0-16°C) and wet in the spring and fall. White or pink tufts of mycelia may be present on the borders of actively growing patches. The leaves of the infected turf appear water-soaked and olive coloured. This

disease is caused by the same pathogen responsible for Pink Snow Mould. Therefore, control of Fusarium Patch in the fall will help to reduce the inoculum for Pink Snow Mould and conversely, control of Pink Snow Mould will reduce the severity and incidence of Fusarium Patch in the spring.

Season of occurrence:

Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
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Beneficial cultural practices include:

- Prevent succulent growth in the fall by avoiding high nitrogen fertilization and by mowing the grass until it stops growing
- Regulate soil pH near neutral
- Minimize thatch
- Rake turf and promote drainage in the spring to promote drying of surface moisture
- Promote turfgrass growth in the spring with light fertilization
- Select resistant turfgrass cultivars

Chemical Control:

For best results, use fungicides in a preventative Fusarium Patch control program. Apply fungicides in sufficient water volumes to attain good coverage of crowns and foliage. If cool and wet conditions persist in the fall, multiple fungicide applications for Fusarium Patch may be necessary prior to the final snow mould treatment. Syngenta fungicides available for the control of Fusarium Patch include:

Banner® MAXX Heritage® MAXX



Symptoms of Fusarium Patch

Courtesy of Kevin Falls, Engage Agro

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Syngenta Solutions for Effective Fusarium Patch Control

Product	Heritage MAXX	Banner MAXX
Areas Treated	Greens, Tees, Fairways	Greens, Tees, Fairways
Rate per 100 m ²	32 mL	51 - 103 mL
Rate per 1000 ft ²	1 oz	1.6 - 3.25 oz
Interval	14 - 28 days	30 days
Helpful Pointers	Apply when conditions are favourable for disease development, i.e., extended period of cool (<15°C) and wet weather in spring and fall.	Apply in the spring and fall during cool and wet weather. Apply in 13 - 21 L of Water per 100 m ² .

Important:

This is NOT a label. Always read and follow label directions before using these products.

Call 1-888-368-4211 x5525 to contact your local Syngenta Turf Specialist.

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