



A Look At ...



**FON**  
*force of nature*

A LOOK AT ... FROM AN INDEPENDENT PERSPECTIVE from  
National Organization Responding Against HUIE that seek to harm the Green Space Industry (NORAHG)

# Fusarium or Microdochium Patch

A Look At Managing Turfgrass Disease



## Likely Locations

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Golf course putting greens, tees, and fairways.

## Other Names

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*Microdochium nivale* ( the current Latin name )

*Gerlachia nivalis*

*Fusarium nivale* ( other Latin name )

« *Plaque fusarienne* » ( French )

# Fusarium or Microdochium Patch

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### Identification

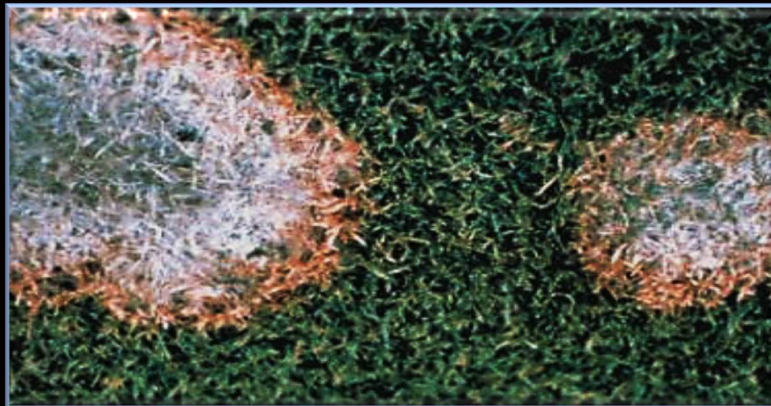
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The symptoms displayed by this disease will vary greatly.

It is the « *chameleon of turfgrass diseases* », making itself sometimes indistinguishable from other diseases.

This disease may develop a variety of symptoms, depending upon the stage of infection, as well as the degree of damage.

The next segment will illustrate the wide range of classic symptoms of this disease.



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### At the Beginning of Infection

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At the beginning of the infection, a general discoloration of the leaves will occur.

Two to three weeks may elapse from the time of spore production and the invasion of mycelium, to the point where visible leaf symptoms occur.

This discoloration is normally associated with the presence of a fine-textured mycelium which is whitish-gray to pink in colour.

Damage is not always uniform.

This mycelium may be more obvious early in the day with the presence of dew — damaged plants are not killed.

The lower leaves are injured first.

The general leaf discoloration may evolve into more organized pink or yellow circular or ring-shaped patches.

These symptoms are referred to as « *frog-eye* ».

The maximum diameter of a single « *frog-eye* » pattern is 12-inches, or 30 centimetres.

The centre of the « *frog-eye* » is normally green and undamaged.

Early in the day, and in the presence of dew, mycelium may again be observed in the « *frog-eye* ».



A LOOK AT is a Report presented by National Organization Responding Against Hujer that seek to harm or misinform the Green Space Industry (NORAHG). It is a series of Reports destined for the Green Space Industry, nationwide across Canada, the United States, and overseas. This Report has been developed for the education and entertainment of the reader by providing TECHNICAL INFORMATION WITH COMMENTARY.

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The information presented in this Report is for preliminary planning only. Before making a final decision, the turf manager is expected to obtain trusted expert advice from extension specialists, local distributors and/or agronomists. All decisions must take into account the prevailing growing conditions, the time of year, and the established management practices.

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A LOOK AT, and its various incarnations, is the brainchild of William H. Gathercole and his entourage. Mr. Gathercole is a principal founder of the Modern Professional Lawn Care Industry in both Ontario and Quebec. He holds a degree in Horticulture from the University of Guelph, and another pure and applied science degree from McGill University. He has worked in virtually all aspects of the Green Space Industry, including golf, professional lawn care, and distribution. Mr. Gathercole has supervised, consulted, programmed, and/or overseen the successful execution of hundreds of thousands of management operations in the urban landscape. He has trained, instructed, and advised thousands of turf managers and technicians. Mr. Gathercole has also been an agricultural agronomist. Mr. Gathercole is personally credited for crafting the Exception Status that has allowed the Golf Industry to avoid being subjected to the prohibition policies of pest control products. He is also the creator of the signs that are now used for posting after application. Mr. Gathercole is now retired, although his name continues to appear as the founder of A LOOK AT.



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