

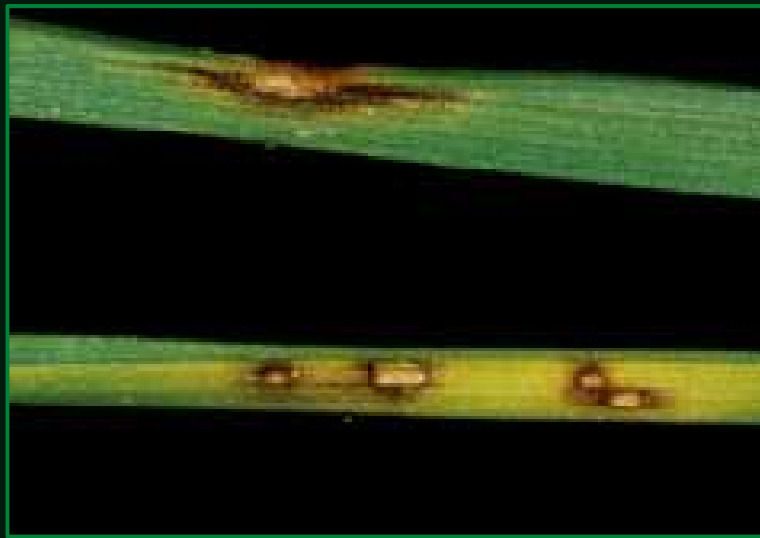


*Force
Nature*

A Look At ...

Turfgrass Summer Disease

Bipolaris Summer Leaf Spot



BIPOLARIS SUMMER LEAF SPOT,
WITH THE VERY DISTINCTIVE FOLIAR LESIONS

Other Names

- Helminthosporium Leaf Spot
- *Bipolaris sorokiniana* (Latin)
- « *Bipolaris, tache de la feuille* » (French)

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Susceptible Species

- Kentucky bluegrass

Likely Location

- Golf course fairways and rough
- Parks
- Residential home lawns
- Sports fields

Identification

- Turf becomes thin, and seems to thin out or « *melt* ».
- Foliar lesions (small leaf spots), that are oval-shaped and dark-coloured with a light-coloured centre, are quite visible on the leaves.
- Turf also seems to fade and decline with an indistinct shape.

Conditions Favouring Disease Development

- A series of alternating cycles of drought conditions followed by an abundance of moisture in the thatch layer.
- High temperatures occurring for an extended period — exceeding 21 to 35°C (70 to 95°F).
- This disease is exacerbated every time a herbicide is used that contains the ingredients 2,4-D or mecoprop.

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Chemical Control

- Banner[®] MAXX — 14 days
- Compass[™] 50WG — 14 to 21 days
- Daconil[®] Weather Stik
- Daconil[®] Ultrex — 7 to 14 days
- Heritage[™] MAXX — 14 to 28 days
- Rovral[®] Green GT — 14 days

Preventive Practices

- Select improved varieties of Kentucky bluegrass that have demonstrated GOOD to EXCELLENT resistance to Leaf Spot diseases.

Improved Varieties

- The following improved varieties of Kentucky bluegrass may have GOOD to EXCELLENT resistance to Leaf Spot diseases.

- | | | |
|-----------|-----------------|-----------------|
| • Abbey | • Blue Sapphire | • Raven |
| • Alpine | • Everest | • Rugby II |
| • America | • Impact | • Rugby II |
| • Arcadia | • Midnight | • Rush |
| • Arrow | • Midnight II | • Skye |
| • Arrow | • Nu Destiny | • SR-2100 |
| • Award | • NuGlade | • SR-2284 |
| • Baron | • Perfection | • Sudden Impact |

Force Of Nature presents THE WHOLE TRUTH FROM AN INDEPENDENT PERSPECTIVE from National Organization Responding Against Huje that seek to harm or misinform the Green Space Industry (NORAHG). It is a series of Reports destined for the Green Space Industry, the Environmental Terror Movement, Governments, and the Media, 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. The neutrality of the Report might be disputed.



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.

All products mentioned in this Report should be used in accordance with the manufacturer's directions, and according to provincial, state, or federal law. For the official advantages, benefits, features, precautions, and restrictions concerning any product, the turf manager must rely only on the information furnished by the manufacturer. The mention of trade names does not constitute a guarantee or a warranty.

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Force Of Nature 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 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 from Force Of Nature, although his name continues to appear as the founder.

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- Rachel Carson, the Queen of Junk Science
- Reining a Terrorist Reaction
- The 9/11 Era of the Green Space Industry
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- The Looming Golf Industry Shipwreck
- The Misconceptions About Cancer
- The National Annihilation of the Modern Green Space Industry
- Update
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The Whole Truth from an Independent Perspective