

2001

## NF01-466 Turf Disease Fact Sheet No. 6: Management Program for Gray Leaf Spot

John E. Watkins

*University of Nebraska--Lincoln*, [jwatkins1@unl.edu](mailto:jwatkins1@unl.edu)

Follow this and additional works at: <http://digitalcommons.unl.edu/extensionhist>



Part of the [Agriculture Commons](#), and the [Curriculum and Instruction Commons](#)

---

Watkins, John E., "NF01-466 Turf Disease Fact Sheet No. 6: Management Program for Gray Leaf Spot" (2001). *Historical Materials from University of Nebraska-Lincoln Extension*. 907.

<http://digitalcommons.unl.edu/extensionhist/907>

This Article is brought to you for free and open access by the Extension at DigitalCommons@University of Nebraska - Lincoln. It has been accepted for inclusion in Historical Materials from University of Nebraska-Lincoln Extension by an authorized administrator of DigitalCommons@University of Nebraska - Lincoln.

## Turf Disease Fact Sheet No. 6 Management Program for Gray Leaf Spot

by John E. Watkins, Extension Plant Pathologist

### Cause, Hosts and Occurrence

Gray Leaf Spot:                      Cause: *Pyricularia grisea*  
   Primary hosts: Perennial ryegrass  
   Occurrence: August - September

### Key Symptoms

- Rapid dying of taller turf during warm, humid weather in August.
- Presence of twisted leaves that resemble a fish hook.
- Water-soaked lesions on leaf blades.
- Turf appears droughty even though soil moisture may be sufficient.

### Cultural/Maintenance Practices

- Keep nitrogen fertility low during the summer.
- On newly seeded or reseeded turfs, initiate light (1/8 lb nitrogen/1000 square feet), weekly urea applications to improve seedling vigor (do not overstimulate with excess nitrogen).
- Avoid night time irrigation.
- Avoid drought stress.
- Do not apply herbicides or growth regulators during warm, humid weather.

### Fungicide Program

#### Preventive Program

**1st Application:**      Late July or early August  
   Products: Daconil Ultrex (3.8 oz) or Manicure Ultrex (3.8 oz) + Banner MAXX

(1 fl oz)

**2nd Application:** Mid-August  
Products: Heritage (0.4 oz), Cleary's 3336 (6 oz), Fungo (6 oz), Spectro 90 (8 oz), or Compass (0.2 oz)

**3rd Application:** Late August or early September  
a. If Heritage or Compass were used in the second application, use Cleary's 3336, Fungo, Spectro 90 or Banner MAXX.  
b. If Cleary's 3336, Fungo, or Spectro 90 were used in the second application, use Heritage or Compass.  
c. If disease pressure is low after the second application, use Daconil Ultrex or Manicure Ultrex.

**Precautions**

- To minimize the potential of fungicide resistance, switch fungicides after two applications of any systemic fungicide.
- New seedlings need fungicide protection until the onset of cool, dry weather.

Products reported to provide fair to excellent control of gray leaf spot include:

#### **Commercial Products**

<i>Active ingredient(s)</i>	<i>Product name(s)</i>
azoxystrobin	Heritage
chlorothalonil*	Daconil Ultrex, Manicure Ultrex
propiconazole	Banner MAXX
thiophanate-methyl	Cleary's 3336, Fungo, Cavalier
trifloxystrobin	Compass
chlorothalonil + thiophanate-methyl	Spectro 90

\*No longer registered for residential turf

#### **Home Lawn Products**

<i>Active ingredient(s)</i>	<i>Product name(s)</i>
thiophanate-methyl	Green Light Fung-Away II Systemic Lawn Fungicide

Fungicides listed represent the best information available. No criticism is intended of products not listed, nor is endorsement by the University of Nebraska given to those listed. Read and follow all product label directions for mixing and application.

---

*Issued in furtherance of Cooperative Extension work, Acts of May 8 and June 30, 1914, in cooperation with the U.S. Department of Agriculture. Elbert C. Dickey, Dean and Director of Cooperative Extension, University of Nebraska, Institute of Agriculture and Natural Resources.*

*University of Nebraska Cooperative Extension educational programs abide with the non-discrimination policies of the University of Nebraska-Lincoln and the United States Department of Agriculture.*