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NF01-463 Turf Disease Fact Sheet No. 3: Management Program for Brown Patch

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Turf Disease Fact Sheet No. 3 Management Program for Brown Patch

by John E. Watkins, Extension Plant Pathologist

Cause, Hosts and Occurrence

Brown Patch: Cause: *Rhizoctonia solani*, *Rhizoctonia zeae*
Principal Hosts: Ryegrasses, Tall fescue, Creeping bentgrass
Occurrence: July - September

Key Symptoms

- Tall-cut turf:**
- Roughly circular patches of blighted grass with a reddish-tan color.
 - Long, irregularly shaped leaf lesions surrounded by a dark brown margin.
- Greens and fairway-height:**
- Diffuse roughly circular, reddish brown patches up to 2 feet in diameter.
 - Patches may have a smokey-gray outer ring.

Cultural/Maintenance Practices

- Avoid high nitrogen fertilizer applications during summer. Spoon feed the turf with low rates of nitrogen to maintain moderate growth and good recovery ability from disease.
- Perform maintenance that will improve air circulation across the turf.
- Avoid nighttime irrigation.

Fungicide Program

- Golf courses:**
- On bentgrass greens use the most effective products from early July through mid-August. Curative treatments should include azoxystrobin

or flutolanil.

- Home lawn and other turfs:**
- Use high-label rates of propiconazole or thiophanate methyl to provide three to four weeks of protection. Treat brown patch-prone areas as a preventive; other areas can be treated curatively as needed.

Products reported to provide fair to excellent control of brown patch include:

Commercial Products

<i>Active ingredient(s)</i>	<i>Product name(s)</i>
azoxystrobin	Heritage
chloroneb	Termec SP
chlorothalonil*	Daconil Ultrex, Manicure Ultrex, Thalonil
fenarimol	Rubigan
flutolanil	ProStar
iprodione*	Chipco 26GT
mancozeb	Formec 80, Fore Rainshield, Dithane T/O Rainshield, Lesco Mancozeb, Protect T/O
myclobutanil	Eagle
propiconazole	Banner MAXX
thiophanate-methyl	Cleary's 3336, Fungo, Cavalier thiram Spotrete
triadimefon	Accost, Bayleton, Lesco Granular Turf Fungicide
trifloxystrobin	Compass
vinclozlin	Curalin, Touché
chlorothalonil+fenarimol	TwoSome Flowable Fungicide
chlorothalonil+thiophanate methyl	Spectro 90
mancozeb+copper hydroxide	Junction

*No longer registered for residential turf

Home Lawn Products

<i>Active ingredient(s)</i>	<i>Product name(s)</i>
benomyl	Acme Benomyl Systemic Fungicide, Bonide Benomyl Lawn Fungicide Granules

mancozeb	Green Light Broad Spectrum Mancozeb Fungicide
maneb	Acme Maneb Tomato and Vegetable Dust
propiconazole	ferti-lome Liquid Systemic Fungicide
thiophanate-methyl	Green Light Fung-Away II Systemic Fungicide, ferti lome Halt Systemic, Dragon Systemic Fungicide 3336 WP
triadimefon	Green Light Systemic Lawn Fungicide, Bonide Lawn Fungicide with Bayleton

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