

Damping Off / Seed Rot



Hosts: all grasses

Environmental Conditions: Damping off can occur at temperatures between 50 and 100 degrees Fahrenheit, with high temperatures and humidity favoring disease development. Excessive moisture and/or fertilizer, high concentrations of seed, or slow seedling germination and growth may result in susceptibility to the pathogen.

Symptoms: Seeds can be affected in the pre or postemergence stage of growth. The pathogen does not attack in a pattern, which creates a nonuniform, patchy appearance to the seedbed. Individual plants that have started growing take on a water soaked appearance and have stunted growth. They eventually turn black and shrivel up. Sometimes mycelium can be seen on and between the grass blades on dew-covered grass.

Pictures: <http://turfgrassmanagement.psu.edu/turfdis3.cfm>

Text: [Compendium of Turfgrass Diseases](http://www.ipm.ucdavis.edu/PMG/r785102311.html) by Richard Smiley, Peter Dernoeden, and Bruce Clarke;
<http://www.ipm.ucdavis.edu/PMG/r785102311.html>; <http://turfgrassmanagement.psu.edu/turfdis3.cfm>

For more information and control options:

University of California – Seed Rot and Damping Off

<http://www.ipm.ucdavis.edu/PMG/r785102311.html>

North Carolina State University – Damping Off

<http://www.turfgrassmanagement.psu.edu/turfdis3.cfm>

Dollar Spot



Hosts: most turfgrasses

Environmental Conditions: Dollar spot is most likely to develop late spring through late autumn when temperatures are between 59 and 86 degrees Fahrenheit. Optimal conditions for disease development are humid days with cool nights when a heavy layer of dew can form. High moisture in the canopy is required for the disease to develop. A dry rootzone and nitrogen deficiency can increase the severity of the infestation.

Symptoms: Small, circular patches of bleached leaves can coalesce into larger irregular patches. Individually, the leaves have a bleached appearance with a tan to reddish brown margin which can take on an hourglass appearance. When dew is present, white, cottony mycelium can be seen on and between leaf blades.

Pictures: <http://www.ento.okstate.edu/ddd/diseases/dollarspot.htm>

Text: [Compendium of Turfgrass Diseases](#) by Richard Smiley, Peter Dernoeden, and Bruce Clarke; Dr. Wakar Uddin, Penn State University

For more information and control options:

Purdue University – Turfgrass Disease Profiles: Dollar Spot

<http://www.ces.purdue.edu/extmedia/BP/BP-105-W.pdf>

University of California – Dollar Spot

<http://www.ipm.ucdavis.edu/PMG/r785101111.html>

Colorado State University – Dollar Spot Disease of Turfgrass

<http://www.ext.colostate.edu/pubs/garden/02933.html>

Cornell University – Dollar Spot on Turfgrass

http://plantclinic.cornell.edu/FactSheets/dollar_spot/dollar_spot.htm