



Extension

UNIVERSITY OF WISCONSIN-MADISON

Provided to you by:

Bird's Nest Fungi

Amy Gibbs and Brian Hudelson, UW-Madison Plant Pathology

What are bird's nest fungi? Bird's nest fungi are a group of organisms named for their resemblance to miniature bird's nests. These fungi are found all over the world, growing and reproducing on decomposing organic matter. In temperate regions, bird's nest fungi can be found



Fruiting bodies of *Crucibulum laeve* found on decaying wood. (Photo courtesy of Mark Steinmetz)

virtually anytime there are damp, shady conditions, but they are most commonly seen in the autumn.

What do bird's nest fungi look like?

Bird's nest fungi are best identified by the appearance of a brown, gray, or white outer "nest", with brown or white "eggs" inside. The "eggs" are actually spore-containing structures called peridioles that rest inside the cup-shaped fruiting body (reproductive structure). Individual fruiting bodies are usually only $\frac{1}{4}$ to $\frac{1}{2}$ inch in diameter and vary in shape, size, and color depending upon species.

Where do bird's nest fungi come from?

Bird's nest fungi are classified in the fungal group gasteromycetes. *Cyathus* spp., *Nidula* spp., *Crucibulum* spp., *Nidularia* spp., and *Mycocalia* spp. are the most common genera of bird's nest fungi. These fungi are often found in moist, shaded areas, and typically survive on soil, plant remains, decaying wood, or horse and cow excrement. The characteristic "cup and egg"

structure of the bird's nest fungi provides a unique method of dispersing spores. In a storm, the "eggs" are splashed out of the "cups" by raindrops. "Eggs" can travel a meter or more before sticking to another object. When the "egg" dries, it splits open releasing fungal spores.

What do I do with bird's nest fungi in my yard? Bird's nest fungi are not harmful to living plants and control of these fungi is typically not necessary. In fact, bird's nest fungi can be fascinating organisms to observe when you find them in your yard. On occasion, bird's nest fungi can be a nuisance, particularly when the "eggs" stick to objects such as houses or cars where they are difficult to remove. If bird's nest fungi become a nuisance, the number of fruiting bodies can be reduced by decreasing irrigation and raking the affected area. The use of non-mulch groundcovers, such as ivy, can also reduce the occurrence of these fungi. Fungicides are not recommended for treatment of bird's nest fungi.

For more information on bird's nest fungi: Contact your county Extension agent.