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# Green Section Record

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## Understanding Fungicide Resistance

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Everyone engaged in establishing and maintaining healthy turf should be familiar with the term fungicide resistance. In many cases, resistance is a contributing factor in unsatisfactory fungicide performance. Fungicide resistance occurs when a once-effective active ingredient is no longer able to stop pathogen growth and control disease. The phrase “once-effective” is essential to understanding fungicide resistance. It implies that something has changed in the pathogen to reduce the efficacy of a fungicide. The change is genetic, meaning the resistance trait can be passed on to

future pathogen generations. Pathogen strains that are not resistant are said to be sensitive – i.e., sensitive to a fungicide’s effect. Although the term “insensitive” is sometimes used to describe fungicide resistance, the term “resistant” is used here with the understanding that there are different degrees of resistance depending on the pathogen and fungicide. This narrative provides an overview of fungicide resistance, addressing the fundamental elements and practical consequences as it relates to turf disease control.

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## Multimedia Content



### Fore The Golfer: What You Need To Know About Spray Applications

Protecting the playing surfaces at a golf course is a little more complicated than it might look. Whether applying fertilizers, plant protectants or wetting agents superintendents use a variety of precision turf management technologies to ensure utmost accuracy and efficiency of product applications.

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### Fore The Golfer: Pest Management On Golf Courses

Superintendents work hard to provide high-quality playing conditions, but sometimes pests harm turfgrass health and damage playing surfaces. Managing these pests is no simple task. Discover how superintendents take an integrated approach to managing pest problems in ways that make sense.

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## Fore The Golfer



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Drug-resistant superbugs pose serious threats to human health, but did you know that pathogens affecting turfgrass also become resistant to the products designed to keep them at bay? Just like your doctor, savvy superintendents are using calculated tactics to prevent resistance and improve the health of playing surfaces.

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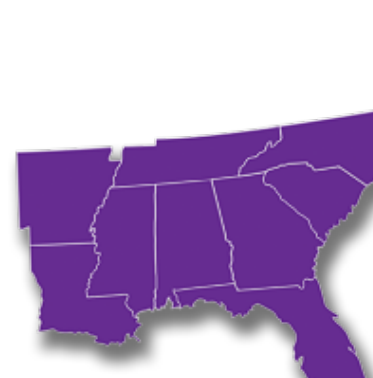

### Northeast Region

Dark, stormy weather can make for a wet, soggy golf course and the dangerous risk of lightning. Debunking some of these common lightning fallacies will help keep you safe on the golf course this summer.

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### Central Region

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### Southeast Region

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