

Green Section Record

Volume 54, Issue 15

Winterkill - Causes and Prevention

By [Bob Vavrek](#), regional director, Central Region

Most turf issues arrive more or less on schedule each year. Granted some problems are more serious and difficult to control than others, but the fact that we can anticipate them makes it easier to develop effective management programs to minimize their impact on turf quality.



Unfortunately, winterkill is far more unpredictable. A bermudagrass practice tee or an annual bluegrass putting green might be devastated by frigid temperatures for two consecutive years but then survive the next 10 winters unscathed. When golfers arrive in the spring and discover the presence of temporary greens they can easily overreact to the situation. Recollections of past winter injury, and the slow recovery that followed, can leave golf facilities grasping at straws, sometimes quite expensive straws, to prevent similar episodes of inconvenience and lost revenue.

[Read More](#)

Multimedia Content



Video: Winter Checklist

For golf course superintendents, the hard work of keeping golf courses healthy doesn't end when winter arrives. Find out what superintendents are doing to prevent winter injury and preserve playing quality during the winter months.

[View Video](#)

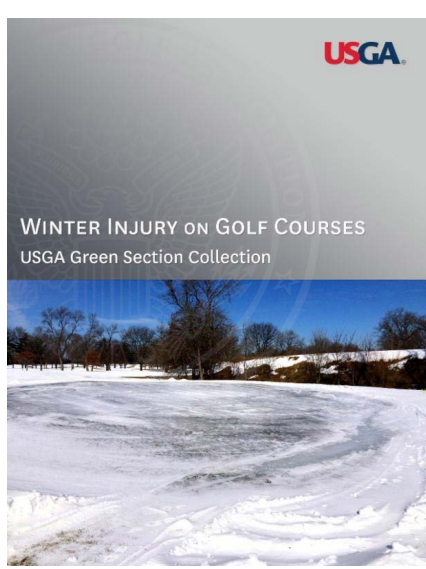


Webcast: Winter Overseeding Transition Management

Looking to improve playing conditions during and after the transition out of winter overseeding? Follow these tips next spring to help promote a smooth transition.

[View Now](#)

Green Section Collection: Winter Injury on Golf Courses



These interactive digital collections include additional supporting articles, a photo gallery and videos that provide relevant information on the primary subject. The collections can be viewed online in a user-friendly digital magazine format, saved as a PDF or printed.

[Read More](#)

Research You Should Know



Utilizing Covers to Reduce Winter Injury on Ultradwarf Bermudagrass

As the use of cold-tolerant bermudagrasses creeps further north into the transition zone, researchers at the University of Arkansas are busy re-evaluating temperature thresholds used to determine when to deploy covers.

[Read More](#)

Fore The Golfer



Three Things All Golfers Should Know About Winterkill

Winterkill is an easy problem to define but difficult to fully understand. Whether you are in the north, south or any point in between, here are three things all golfers should know about turfgrass winterkill.

[Read More](#)

Regional Updates



West Region

Here is one method, used by a golf course in the Southwest, that accomplishes an entire year's worth of aeration in one streamlined operation.

[View Update](#)



Northeast Region

Hot weather has many golf courses playing defense by implementing maintenance practices that favor turf health over playing conditions.

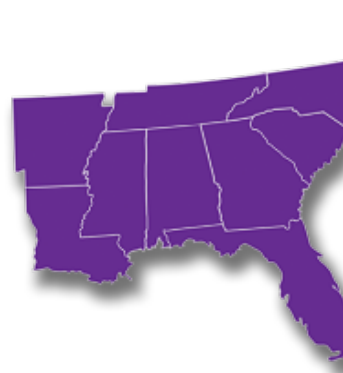
[View Update](#)



Central Region

Some weak areas manage to fly under the radar during mild weather, but they become an eyesore when heat and high humidity arrive.

[View Update](#)



Southeast Region

Looking for a way to attract more birds? These tips will help you create a bird-feeding station for any golf course.

[View Update](#)



GOLF'S USE OF WATER RESOURCE CENTER

LEARN MORE ABOUT SUSTAINABLE SOLUTIONS >



Are you a current subscriber to the USGA Green Section Record?

Subscribers receive the latest information on golf course management, turfgrass culture, environmental issues, research and economic sustainability delivered to their inboxes twice per month.

[Subscribe Today](#)

United States Golf Association
77 Liberty Corner Road
Far Hills, NJ 07931
908.234.2300

[CONTACT US](#)

Stay connected with the USGA



IMPORTANT LINKS

[USGA Privacy Policy](#)
[USGA Green Section Home Page](#)
[USGA Staff Contact Information](#)
[Course Consulting Service Information](#)
[USGA Turfgrass and Environmental Research Online \(TERO\)](#)

©2016 by United States Golf Association®

[Policies for the Reuse of USGA Green Section Publications](#)

USGA Green Section publications are made available through the courtesy of the United States Golf Association (USGA®). The reuse of these materials is authorized only if the following conditions are met in their entirety. This policy applies to all Green Section publications, including articles, videos, presentations, and webcasts.

- 1) [Adherence to all components of our Conditions for Reuse policy.](#)
- 2) [Inclusion of the appropriate Reprint Permission Language.](#)
- 3) [Notification of your Intent To Reprint Content.](#)

The USGA Green Section Record (ISSN 2156-5813) is published twice monthly via electronic mail by the United States Golf Association®.