

# WINTER GOLF COURSE MANAGEMENT

## REFERENCES YOU CAN USE

### For Course Officials and Golfers

#### Multimedia:

- [Severe Winter is Impacting Courses Across the Country](#) – Live webcast recorded 3.14.14 where USGA agronomists weigh in on how winter weather is taking its toll on golf facilities.
- [Frost Delay Video](#) – Course-care video explains frost delays to golfers (also available in [Spanish](#)).

#### Articles:

- [Winter Is Not 'Down Time' on the Golf Course](#) – What goes on at your golf facility during the winter? The number of duties and projects may surprise many golfers.
- [Playing Par with Jack Frost](#) – Why winter play and traffic can be so problematic for turf.
- [Politics, Religion and Winter Play on Greens](#) – Few subjects raise such an emotional response from golfers and superintendents alike than winter play. Who's right?
- [Too Hot To Handle](#) – Factors to consider and possible repercussions for winter play on greens. Is it worth the risk?

#### Our Experts Explain:

- [Using Synthetic Practice Tees for Winter Play](#) – Synthetic turf has come a long way in recent years and is a viable alternative when turfgrass is dormant and unable to support play.
- [Continuous Snow Coverage on Putting Greens](#) – Learn why snow isn't necessarily a bad thing for golf course turf, but ice can be a different story.
- [Explaining Frost Delays](#) – A brief explanation of why frost delays are necessary.

### For Golf Facilities

#### Multimedia:

- [Sampling Greens for Winterkill](#) – Webcast on how to sample turf for winter evaluation.
- [Using Winter Protective Covers on Greens](#) – Webcast on covering *Poa annua* greens.
- [Out From Under Winter Covers](#) – Podcast on when to remove covers from putting greens.
- [Winter Hole Management](#) – Webcast on managing holes on dormant bermudagrass greens.
- [Winter Drainage Installation](#) – Webcast on a method to install drainage during winter.
- [Painting Fairways](#) – Webcast on painting fairways for winter play on bermudagrass.
- [Winter Injury on Putting Greens in the North](#) – Webcast on winter injury experienced in 2011.

## **For Golf Facilities (continued)**

### Articles:

- [The Greatest Challenge](#) – Coping with winter weather is no easy task for northern courses.
- [Instant Overseeding](#) – Turf colorants are a capable replacement for overseeding fairways.
- [A New Hue](#) – A guide to using turf colorants in the Southwest.
- [Winter Damage](#) – Mother Nature is beyond our control, but there are variables that can be controlled to minimize the potential for winter turf loss.
- [Ultradwarfs in the Off-Season](#) – With proper care, ultradwarf bermudagrass putting greens do not miss a beat in the winter.
- [Snow Way](#) – Snow removal from greens is common practice in the Rocky Mountains.
- [Winter Protection of Annual Bluegrass Golf Greens](#) – How covers can reduce damage.
- [Have an "Ice" Day](#) – A common-sense approach on what to do about ice cover on greens.
- [Drawing the Line on Winter Play](#) – Marking fairways with borderlines of dye helps define fairways for winter rules.
- [Winter Covers](#) – Are they for you?
- [Recipe for Rapid Recovery from Winter Injury](#) – What to do if you have only 40 days to get the course ready for a championship?
- [Winter-Kill!](#) – Learn why winterkill is a catch-all term to describe turf damage during winter.
- [Recovery for Winter-Injured Greens](#) – Damage has occurred, now what?
- [Putting Greens](#) – Dealing with snow and ice accumulations.

### Research:

- [Annual Bluegrass is Prone to Winter Injury](#)
- [Early Physiological Changes in Cold Deacclimation of Annual Bluegrass and Bentgrass](#)
- [Physiological Factors Associated with Perennial Ryegrass Freezing Tolerance](#)
- [Recent Progress in Turf Bermudagrass Breeding Research at Oklahoma State University](#)
- [Investment Yields Bermudagrass Cultivars with High Quality and Improved Cold Hardiness](#)
- [Bermudagrass Freeze Tolerance](#)
- [Bermudagrass Cultivars with High Quality and Improved Cold Hardiness](#)
- [Winter Survival of Seeded Bermudagrass](#)
- [Cold Hardiness of Inland Saltgrass](#)
- [Spring Dead Spot: A Major Bermudagrass Disease](#)
- [Exploring the Use of PGRs to Reduce Winter Injury on Annual Bluegrass](#)

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## THE USGA GREEN SECTION RECORD

- Informative articles from USGA agronomists, turfgrass scientists, and guests
- Webcasts, podcasts, how it's done series, *fore* the golfer, and more
- Individual updates from 8 USGA Green Section regions and the research program