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Cover Photo: The maintenance shed of the past has evolved into the modern turf care center that will take golf course maintenance well into the future.

Record

Turf Care Centers: The Heartbeat of Golf Turf Conditioning

Like a stone thrown into a pond, course maintenance activities originate and ripple out from the turf care center.

By Keith Happ

6 Protocols for an IPM System on Golf Courses

Collaboration produces a standard for golf course IPM.

By Mary C. Owen and Randall G. Prostak

8 Core Aeration by the Numbers

Explaining the need for aeration is often easier if you use specific numbers.

By Chris Hartwiger and Patrick O'Brien

10 Effect of Overseeding Rate on Spring Transition

The evidence shows that more is not better.

By D. M. Kopec, J. Gilbert, K. Marcum, M. Pessarakli, D. Jensen

13 Bermudagrass Fairway Renovation

Why it is being done, procedures, and the results that have been achieved.

By John H. Foy

16 A Metabolic Approach

Improving nitrogen use efficiency in turfgrasses. By Richard J. Hull and John T. Bushoven

18 Creating a Desert Garden

A showcase garden of native species can inspire environmental education and action.

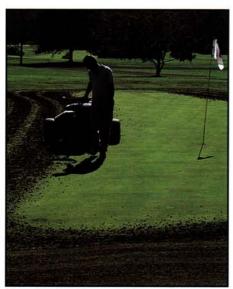
By Jeffery Comer

20 Say No to "Backup Tree Plantings"

Sometimes taking precautions is more trouble than it's worth.

By David A. Oatis

22 Turf Twisters



Core aeration is one of the most important preventative maintenance practices used on putting greens. The challenge is learning how to sell the program. See page 8.



One method of renovating fairways is to strip out the common bermudagrass and then install big rolls of hybrid sod. Half of a fairway can be converted at a time to allow play to continue. See page 13.