

*Cover Photo:
Excessive thatch accumulation can
form on the new ultradwarf
bermudagrasses without proper
management.*



*As opposed to the picture, the target
with midday syringing is to cool the
turf without allowing water to soak
the rootzone. Puddling water or runoff
denotes inefficient syringing. See page 9.*



*Rutgers University (New Brunswick, N.J.)
is one of the leading universities in turf-
grass development. Their research efforts
encompass germplasm collections, variety
development, and endophyte research.
See page 19.*

USGA® GREEN SECTION Record

1

Opportunity Knocks with the Ultradwarfs

Success with an ultradwarf might be easier than you think.

By Chris Hartwiger

6

An Inside Look at Mole Cricket Management

Understanding these pests' behavior is vital to controlling their numbers.

By M. G. Villani, Ph.D., and R. L. Brandenburg, Ph.D.

9

Keep It Dry!

Golf turf water management is tied to a number of variables. The goal is to maintain it dry.

By Bob Brame

11

Creative Uses for Plant Growth Regulators

They offer more advantages than growth reduction.

By Nick Christians, Ph.D.

14

Priority Decision Making

A useful long-range planning technique to help get the most from your resources.

By Terry Nelson

17

Nitrogen and Phosphorus Loss from Greens and Fairways

Is there a potential problem?

By Larry Shuman, Ph.D.

19

70 Years of Turfgrass Improvement at the New Jersey Agricultural Experiment Station

The Garden State's Rutgers University has long
been in the forefront of turfgrass development.

By C. Reed Funk and William A. Meyer

24

What is a Buffer?

Placed between turfgrass and a body of water, a buffer
can significantly reduce nutrient and sediment runoff.

By Jean Mackay

27

Guidelines for Establishing Quality Control Tolerances

Quality control of rootzone material in putting green construction is critical to success.

By James F. Moore

28

It Just Has to Be Cheaper or Better

If not, why make the change?

By Robert C. Vavrek, Jr.

30

Turf Twisters