**TURFGRASS TRENDS**

TurfGrass Trends is published monthly. ISSN 1076-7207.

Subscription rates: One year, $180 (US); $210 (all other countries.)

Copyright © 1999 by Advanstar Communications, Inc. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopy, recording, or information storage and retrieval system, without permission in writing from the publisher.

Authorization to photocopy items for internal or personal use, or the internal or personal use of specific clients, is granted by Advanstar Communications Inc. for libraries and other users registered with the Copyright Clearance Center, 222 Rosewood Dr., Danvers, MA 01923, phone: 978-750-8400 fax 978-750-4470; call for copying beyond that permitted by Sections 107 or 108 of the U.S. Copyright Law. For those not registered with the CCC, send permission request in writing to Permissions Dept. Advanstar Communications Inc. 7500 Old Oak Blvd., Cleveland, OH 44130-3369 or fax (440) 891-2740.

TURFGRASS TRENDS
131 West First Street
Duluth, MN 55802-2065

**FIELD ADVISORS**

J. Douglas Barberry, Turf Producers International
Richard Bator, Atlantic City Country Club
F. Dan Dinelli, North Shore Country Club
Merrill J. Frank, Columbia Country Club
Michael Heacock, American Golf Corp.
Vince Henderson, River's Bend Country Club
Paul Latshaw, Merion Golf Club
Kevin Morris, National Turfgrass Evaluation Program
Sean Remington, Chevy Chase Club
Tom Schlick, Marriott Golf
Ken Schwark, Roddy Ranch Golf Course
Paul Zwaska, Baltimore Orioles

**EDITORIAL REVIEW BOARD**

Dr. A.J. Powell, University of Kentucky
Dr. Eliot C. Roberts, Rosehall Associates
Dr. Garald Horst, University of Nebraska
Dr. Doug Brode, Jacklin Seed Company
Dr. Eric Nelson, Cornell University
Dr. Keith Karnok, University of Georgia
Dr. Michael Villani, Cornell University
Dr. Richard Hull, University of Rhode Island
Dr. Vic Gibeaut, University of California
Dr. Pat Vittum, University of Massachusetts
Dr. Rick Brandenburg, NC State University

**QUICK REFERENCE NUMBERS**

Editorial: 440-891-2729
Subscription: 888-527-7008
Permission: 440-891-2740
Reprints: 440-891-2744
Single copy or back issues: 218-723-9477
Website: www.landscapegroup.com

**USE OF TGT ARTICLES**

Permission may be granted on request for TGT Articles as course material and for reprints in publications.

For course material: We can group articles by subject for you.

Please send request to:
TurfGrass Trends
Advanstar, Attn: Permissions
7500 Old Oak Blvd.,
Cleveland, OH 44130
800-225-4509, ext. 742

Index and abstracts are available electronically through: www.landscapegroup.com and Michigan State University, TGIF 800-446-8443, http://www.lib.msu.edu/tgif