

ing season. Heritage is a broad spectrum, systemic fungicide, while Daconil Ultrex is a protectant fungicide that affects cell membranes. FRAC coding is published annually in *Turfgrass Pest Control Recommendations for Professionals* and can be seen online at www.GeorgiaTurf.com and Smartphone application "Turfgrass Management."

Turfgrass cultural practices, including dew removal and thatch build-up reduction, have suppressed the disease by promoting a less favorable environment for infection. It is well documented that removing dew from turfgrass by mowing or dew whipping in the morning can significantly reduce dollar spot infection. Research has shown that dollar spot is more likely to develop if moisture remains on the surface of the turfgrass for more than 12 hours.

Spring and fall nitrogen applications can potentially allow susceptible turfgrass to outgrow the pathogen and promote quicker recovery.

Therefore, reducing the window for infection by watering less in the evening and removing dew first thing in the morning is an important management practice. Thatch accumulation can increase disease incidence by allowing more fungal populations to become available. Dethatching during optimal growing conditions encourages aggressive growth and promotes a healthier disease free turf.

Monitoring fertility is also an important step in control. Turfgrasses that are maintained under low nitrogen fertility are more susceptible to infection, and they are slow to recover from dollar spot injury. Nitrogen fertilization can be an important management tool if applied to coincide with disease outbreaks. Spring and fall applications can potentially allow susceptible turfgrass to outgrow the pathogen and promote quicker recovery from disease injury.

Dollar spot has been an important turfgrass

disease for many years, and epidemics continue to create challenges for turfgrass managers. Its unsightly appearance and ability to cause plant death has enabled dollar spot to become one of the most expensive to manage. Without proper management and knowledge, the disease can become a serious problem on golf courses, athletic fields and home lawns.

Dr. Clint Waltz is an associate professor and turfgrass specialist in the Department of Crop and Soil Science at the University of Georgia. He has statewide responsibilities for all areas of turfgrass management, including water issues. J.B. Workman is a graduate research assistant at the University of Georgia, where he is conducting his MS research project on alternative approaches to managing dollar spot. Both are located at the University of Georgia Griffin campus.

REFERENCES

- Allen, T. W., A. Martinez and L. Burpee. (2005) Dollar spot of turfgrass. The Plant Health Instructor. (Available online with updates at (<http://www.apsnet.org/edcenter/introp.html>))
- Emmons R.D. (2008) Turfgrass science and management. 4th ed. Thomson Delmar, Clifton Park, NY.
- Hammerschmidt, R. (2009) Biology, Etiology, and Management of dollar spot in turfgrasses. Available online <http://nimss.umd.edu/homepages/outline.cfm?trackID=12176> (Verified 15 Nov. 2010).
- Harman, G.E., E.B. Nelson, B. Donzelli, and K.L. Ondik. (2005) Diversity and biology of the dollar spot organism, *Sclerotinia homoeocarpa*, and its implications. USGA and environmental research online. 4: 1-9.
- Jackson, N. (1974) Apothecial production of *Sclerotinia homoeocarpa*. Plant Disease 86: 40-45.
- Landschoot, P.J. and A.S. McNitt. 1997. Effect of nitrogen fertilizers on suppression of dollar spot disease of *Agrostis stolonifera* L. International Turfgrass Society: volume 8.
- Latin, R. (2000) Turfgrass disease profiles: dollar spot. (Available on-line with updates at <http://www.extension.purdue.edu/extmedia/BP/BP-105-W.pdf>) (Verified 4 Nov. 2010.)
- Leslie A.R. (1994) Handbook of integrated pest management for turf and ornamentals. Lewis Publishers, Boca Raton.
- Lucas, L. 1991. Overview of warm season turfgrass disease control. p. 128-129. In Conference and Show. Held: February 5-12, 1991, Las Vegas, Nevada. Lawrence, KS: Golf Course Superintendents Association of America.
- Smiley, R.W., P.H. Dernoeden, and B.B. Clarke. 2005. Compendium of Turfgrass Diseases 3rd Edition. APS Press. St. Paul, MN.
- Tredway, L.P., G.G. Wilkerson, B.R. Lassiter, J.J. Reynolds, and G. S. Buol. (2009) Dollar spot [*Sclerotinia homoeocarpa*]. North Carolina State University (Available online with updates at http://www.turfinfo.ncsu.edu/PDFFiles/004050/Dollar_Spot.pdf) (Verified 3 Nov. 2010.)
- Tredway, L.P. (2010). Fungicide programs for cool- and warm-season landscapes. Turfinfo – Turfgrass Information for North Carolina. North Carolina State University.
- Turgeon, A.J. (2002). Turfgrass management. Upper Saddle River, New Jersey.
- Vargas J.M. (1994) Management of turfgrass diseases. 2nd ed. Lewis Publishers, Boca Raton.
- Vincelli, P., J.C. Dooney, and A.J. Powell. (1997) Variation among creeping bentgrass cultivars in recovery from epidemics of dollar spot. Crop Science 81: 99-102.
- Walsh, B.K. 2000. Epidemiology and disease forecasting system for dollar spot caused by *Sclerotinia homoeocarpa* F.T. Bennet. Ph.D. diss. Univ. of Guelph, ON, Canada.
- Williams, D.W., A.J. Powell, P. Vincelli, and C.T. Dougherty. 1996. Dollar spot on bentgrass influenced by displacement of leaf surface moisture, nitrogen, and clipping removal. Crop Sci. 36:1304-1309.
- Young, K. (2005) Management of dollar spot and grey leaf spot on turfgrass. M.S. thesis. Univ. of Ohio State, Columbus.

Short-term C-fluxes in Biosolid-Amended Soils During Turfgrass Establishment

By Sabrina Ruis,
John Stier and
Doug Soldat

In a world increasingly aware of climate change, researchers are evaluating what plant systems are sequestering C released from the burning fossil fuels and C released from soil disturbance. Coupling use of biosolids amendments with sod production may be one way to both enhance sustainability of the industry and sequester C.

Research has evaluated C-sequestration in prairies; agriculture; golf courses; turf systems with biosolids additions; and more. Many of these studies focus on established vegetation or estimates of the change in Soil Organic Carbon (SOC) and not gas exchange measurements.

Sod production is unique, consisting of initial plowing or cultivation followed by seeding and an 18- to 24-month production cycle where at the end, 12-18 mm of soil is removed

with the plant material. What happens to gas exchange of CO₂ from the time of plowing, incorporation of biosolids, through full vegetative cover? Our study's objective was to determine gaseous C-flux from biosolids amended and non-biosolids amended soil over the course of preplant cultivation, through germination, and achievement of full turfgrass cover.

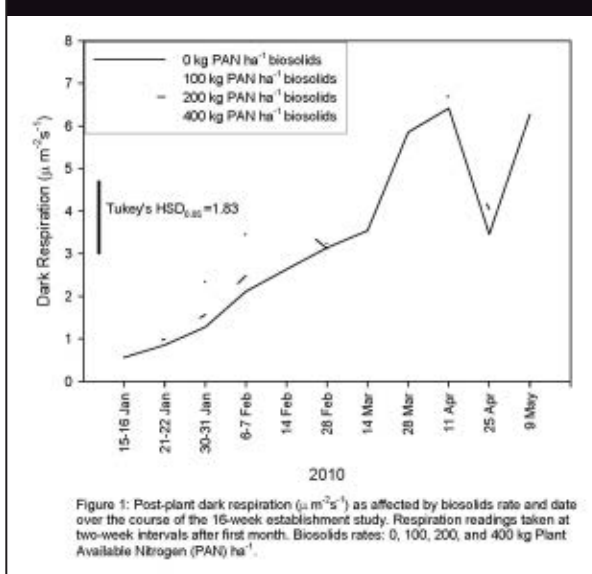
The experimental design for a 16-week greenhouse study (January, 10 2010 to May 11, 2010) was a randomized complete block with five replications. Main plots were vegetated and non-vegetated containers, while subplots consisted of 0, 100, 200 and 400 kg Plant Available Nitrogen (PAN) per hectare from biosolids (control, low, medium and high). All containers were thoroughly watered and sown with 35 kilograms per hectare Kentucky bluegrass (*Poa pratensis* L.).

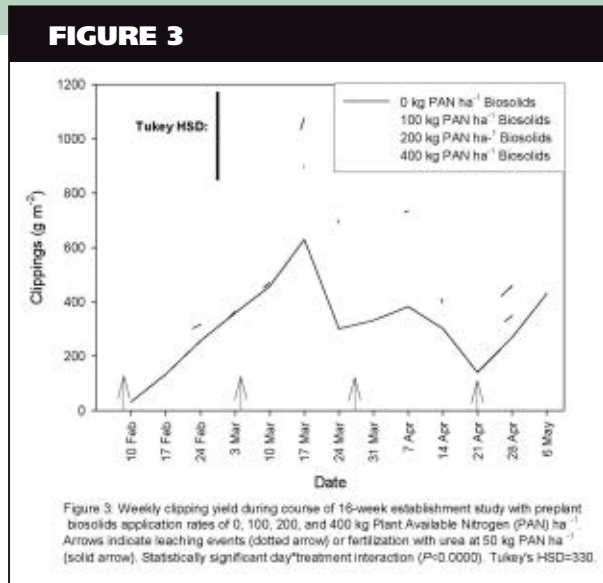
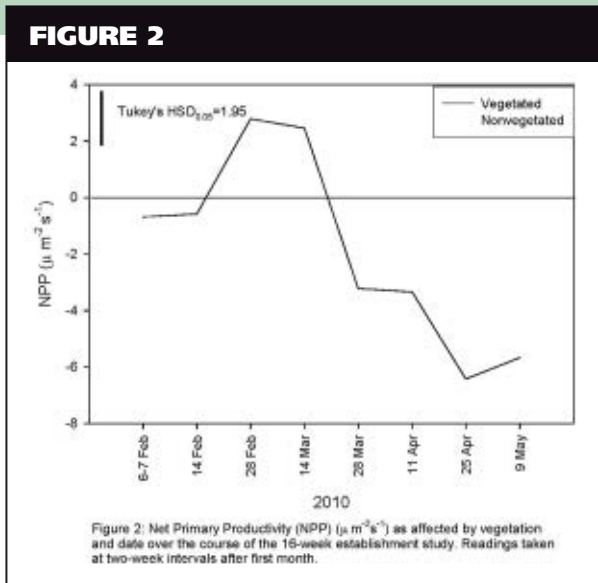
All treatments received 50 kilograms PAN per hectare from urea monthly to ensure N was not a limiting factor. CO₂ flux measurements were collected using an infrared gas analyzer (model LI-6400 XT, LI-COR, Lincoln, Nebraska). CO₂ flux measurements were initially made at frequent intervals to capture any C-flux from container packing, initial watering and seeding.

In the absence of vegetation during the first three weeks, CO₂ flux measurements were confined to dark respiration (Rd) measurements using LI-COR's soil respiration chamber. Once vegetation was present, measurements were collected at two-week intervals using a custom built, clear acrylic chamber with dimensions to match the soil chamber to estimate Gross Primary Productivity (GPP) followed by Rd with the soil chamber. Quality ratings (1-9 scale) and clippings were collected weekly.

Biosolids rate significantly affected pre-plant Rd between the control and high rate of biosolids. Rd for the high rate was nearly double that of the control (data not shown). Post-plant Rd nearly quadrupled with vegetation by the end of the study as the plants grew and matured while the non-vegetated treatment remained relatively steady throughout the study (data not shown). Post-plant Rd was affected by biosolids rate and date due to some significant differences between the control and

FIGURE 1





high biosolids rate on a few days (Figure 1).

GPP was affected by both vegetation and date. GPP rate increased during the time of rapid growth relatively early in the study and decreased about midway through the study possibly due to supraoptimal temperatures for Kentucky bluegrass (data not shown).

Net Primary Productivity (NPP) was affected by vegetation and date. NPP increased as vegetative cover developed for several weeks following germination (Figure 2).

NPP declined as the plants matured and temperatures increased above optimum for Kentucky bluegrass. Clipping yield was highly dynamic, peaking after N-fertilization events and tending to decline after thorough watering events. The period of high growth during the weeks of February 14 through March 14 when NPP was positive is evident in the clipping yield during those same dates by continued increases in clipping weights each week. The high rate consistently produced more clippings than the other treatments, and was statistically different on a few separate dates, but that was primarily between the control and high rate (Figure 3).

Turf quality increased for all treatments through mid-April; however, at this time, powdery mildew development greatly decreased the quality of the high biosolids rate while the other treatments saw continued increases in quality (data not shown).

Biosolids amendments to sod fields increased pre-plant Rd; increased post-plant Rd in some instances; increased clipping yield; and increased quality until disease pressure was

too high. NPP was not affected by biosolids but declined once turf began to mature and as temperatures increased above optimal, indicating there may be conditions under which turfgrass systems may serve as a source of CO_2 emissions. The conclusion of whether or not turfgrass or a turfgrass system amended with biosolids is really sequestering an ecologically important quantity of C cannot be answered by gas-exchange data alone and would need supporting data on C content of the soil, plant tissue and dissolved organic C in leachate. Sample analysis of all these factors is in progress with this 2010 study as well as a 2011 run of the study to examine year to year differences.

Sabrina Ruis is a Master's Degree student in Horticulture at the University of Wisconsin-Madison. She studies with Dr. John Stier in the Department of Horticulture and Dr. Doug Soldat in the Department of Soil Science at the University of Wisconsin-Madison. Reach her at ruis@wisc.edu.

REFERENCES

- Bandaranayake, W., Y.L. Qian, W.J. Parton, D.S. Ojima, and R.F. Follett. 2003. Estimation of Soil Organic Carbon Changes in Turfgrass Systems Using the CENTURY Model. *Agronomy Journal*. 95:558-563.
- Brye, K.R., S.T. Gower, J.M. Norman, and L.G. Bundy. 2002. Carbon Budgets for a Prairie and Agroecosystems: Effects of Land Use and Interannual Variability. *Ecological Applications*. 12(4):962-979.
- Guzman, J.G., and M.M. Al-Kaisi. 2010. Soil Carbon Dynamics and Carbon Budget of Newly Reconstructed Tall-grass Prairies in South Central Iowa. *Journal of Environmental Quality*. 39:136-146.
- Kome, C. 2008. Effects of Turfgrass Sod Harvesting on Soil Quality and Land Use Sustainability. Internal Report for USDA-NRCS.
- Linde, D.T. and L.D. Hepner. 2005. Turfgrass Seed and Sod Establishment on Soil Amended with Biosolid Compost. *HortTechnology*. 15(3):577-583.
- Purakayastha, T.J., D.R. Huggins, and J.L. Smith. 2008. Carbon Sequestration in Native Prairie, Perennial Grass, No-till and Cultivated Palouse Silt Loam. *Soil Science Society of America Journal*. 72(2):534-540.
- Tesfamariam, E.H., J.G. Annandale, J.M. Steyn, and R.J. Stirzaker. 2009. Exporting Large Volumes of Municipal Sewage Sludge through Turfgrass Sod Production. *Journal of Environmental Quality*. 38:1320-1328.

Ad Index

Advertiser	Page
The Andersons	5
Audubon	27
B A S F Corp	9, CV3
Bell Laboratories	35
Buffalo Turbine	6
DuPont	11
Duro Tire	21
GoldDom Summit	34
GroPower	2
Jacobsen	CV2
John Deere	28
Knox Fertilizer	BB, 3
Kocheck	17
Lebanon Turf	CV4
PBI/Gordon	7
Seago	2
Sonic Solutions	23
Sto-Cote	17
Syngenta	13
White Metal Golf	17
Wireless Solutions	35

This index is provided as an additional service. The publisher does not assume any liability for errors or omissions.



Golfdom

Summit for Superintendents

November 13-15, 2011
Pinehurst Resort
Village of Pinehurst, NC

The **FIRST** invitation-only, highly focused forum bringing together superintendents, suppliers and dealers of products used for the operation and design of golf courses.

Visit www.golfdomsummit.com for more details.



Scan QR Code
with your mobile
to qualify for
Golfdom Summit
today

Pinehurst Resort is a luxury golf resort and National Historic Landmark that features one of America's greatest golf courses, Pinehurst No. 2. Nestled in the sand hills of North Carolina, Pinehurst Resort boasts eight pristine courses designed by such legends as Donald Ross, Rees Jones and Tom Fazio. The most famous is Pinehurst No. 2, which has hosted several major championships. In 2014 Pinehurst No. 2 will host the U.S. Open and U.S. Women's Open in consecutive weeks. Become part of history and come experience Southern hospitality and charm that defines Pinehurst Resort.



**STATEMENT OF OWNERSHIP,
MANAGEMENT, AND CIRCULATION**
(Required by 39 USC 3685)

<p>1. Publication Title: <i>Golfdom</i></p> <p>2. Publication Number: 1526-4270</p> <p>3. Filing Date: 9/12/11</p> <p>4. Issue Frequency: <i>Monthly</i></p> <p>5. Number of Issues Published Annually: 12</p> <p>6. Annual Subscription Price: <i>Free to Qualified</i></p> <p>7. Complete Mailing Address of Known Office of Publication (Not Printer): <i>Questex Media Group LLC, 306 West Michigan Street, Suite 200, Duluth, St. Louis County, MN 55802-1610</i> <i>Contact Person: Antoinette Sanchez-Perkins</i> <i>Telephone: 216-706-3750</i></p> <p>8. Complete Mailing Address of Headquarters or General Business Office of Publisher (Not Printer): <i>Questex Media Group LLC, 275 Grove St., Ste. 2-130, Newton, MA 02466</i></p> <p>9. Full Names and Complete Mailing Addresses of Publisher, Editor, and Managing Editor - Publisher: <i>Patrick Roberts, Questex Media Group LLC, 600 Superior Ave. East, Suite 1100, Cleveland, OH 44114; Editor-in-Chief: Seth Jones, Questex Media Group LLC, 600 Superior Ave. East, Suite 1100, Cleveland, OH 44114; Senior Editor: Beth Geraci, Questex Media Group LLC, 600 Superior Ave. East, Suite 1100, Cleveland, OH 44114</i></p> <p>10. Owner - Full name: <i>Questex Media Group LLC, 275 Grove Street, Suite 2-130, Newton, MA 02466. The sole shareholder of Questex Media Group LLC is: QMG Holdco LLC, 275 Grove Street, Suite 2-130, Newton, MA 02466</i></p> <p>11. Known Bondholders, Mortgagees, and Other Security Holders Owning or Holding 1 Percent or More of Total Amount of Bonds, Mortgages or Other Securities: <i>Questex Media Group, LLC is the Mortgagor under a Note and Equity Agreement dated December 16, 2009, with various lenders as named therein from time to time. The agent for the lenders is: Credit Suisse, Agency Manager, One Madison Avenue, New York, NY 10010. Holders of 1.0% or more of Questex Media Group, LLC Mortgages or Other Securities as of September 1, 2010 are as follows: Aladdin Capital Management LLC, Six Landmark Square, 6th Floor, Stamford, CT 06901; CHIN/Harris Bank, 111 West Monroe Street/12 West, Chicago, IL 60603; Carlson Capital LP, 2100 McKinney Suite 1600, Dallas, TX 75201; Credit Suisse AG, 11 Madison Avenue, New York, NY 10010; GSO/Blackstone Group, 280 Park Avenue, New York, NY 10017; GE Equity, 201 Merritt 7, PO Box 5201, Norwalk, CT 06851; Global Leveraged Capital Management, LLC, 605 Third Avenue/20th Floor, New York, NY 10022; Aladdin Capital Management LLC, Six Landmark Square, 6th Floor, Stamford, CT 06901; ING Capital LLC, 1325 Avenue of the Americas, New York, NY 10019; NATIXIS, 9 West 57th Street, 35th Floor, New York, NY 10019; Orix Finance Corporation, 1717 Main Street, Suite 900, Dallas, TX 75201; Pennant Park Investment Corporation, 590 Madison Avenue/15th Floor, New York, NY 10022; MUX Asset Management LLC, 12 East 46th Street, New York, NY 10017; Wells Fargo Capital Finance, Inc., 2450 Colorado Avenue/Suite 3000W, Santa Monica, CA 90404</i></p> <p>12. Does not apply</p> <p>13. Publication Title: <i>Golfdom</i></p> <p>14. Issue Date for Circulation Data: <i>August 2011</i></p>	<p>15. Extent and Nature of Circulation</p> <table border="0"> <tr> <td></td> <td align="center">Average No. Copies Each Issue During Preceding 12 Months</td> <td align="center">No. Copies of Single Issue Published Nearest to Filing Date</td> <td></td> <td></td> </tr> <tr> <td>a. Total Number of Copies (Net press run)</td> <td align="center">19,576</td> <td align="center">19,642</td> <td></td> <td></td> </tr> <tr> <td>b. Legitimate Paid and/or Requested Distribution (By Mail and Outside the Mail)</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>(1) Outside County Paid/Requested Mail Subscriptions stated on PS Form 3541. (Include direct written request from recipient, telemarketing and internet requests from recipient, paid subscriptions including nominal rate subscriptions, employer requests, advertiser's proof copies, and exchange copies.)</td> <td align="center">12,104</td> <td align="center">12,315</td> <td></td> <td></td> </tr> <tr> <td>(2) In-County Paid/Requested Mail Subscriptions Stated on PS Form 3541. (Include direct written request from recipient, telemarketing and internet requests from recipient, paid subscriptions including nominal rate subscriptions, employer requests, advertiser's proof copies, and exchange copies.)</td> <td align="center">0</td> <td align="center">0</td> <td></td> <td></td> </tr> <tr> <td>(3) Sales Through Dealers and Carriers, Street Vendors, Counter Sales, and Other Paid or Requested Distribution Outside USPS®</td> <td align="center">98</td> <td align="center">103</td> <td></td> <td></td> </tr> <tr> <td>(4) Requested Copies Distributed by Other Mail Classes Through the USPS (e.g. First-Class Mail®)</td> <td align="center">0</td> <td align="center">0</td> <td></td> <td></td> </tr> <tr> <td>c. Total Paid and/or Requested Circulation (Sum of 15b (1), (2), (3), and (4))</td> <td align="center">12,202</td> <td align="center">12,418</td> <td></td> <td></td> </tr> <tr> <td>d. Nonrequested Distribution (By Mail and Outside the Mail)</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>(1) Outside County Nonrequested Copies Stated on PS Form 3541 (Include Sample copies, Requests Over 3 years old, Requests induced by a Premium, Bulk Sales and Requests including Association Requests, Names obtained from Business Directories, Lists, and other sources)</td> <td align="center">7,021</td> <td align="center">6,935</td> <td></td> <td></td> </tr> <tr> <td>(2) In-County Nonrequested Copies Distributed Through the USPS by Other Classes of Mail (e.g. First-Class Mail, Nonrequester Copies mailed in excess of 10% Limit mail at Standard Mail or Package Services Rates)</td> <td align="center">0</td> <td align="center">0</td> <td></td> <td></td> </tr> </table>		Average No. Copies Each Issue During Preceding 12 Months	No. Copies of Single Issue Published Nearest to Filing Date			a. Total Number of Copies (Net press run)	19,576	19,642			b. Legitimate Paid and/or Requested Distribution (By Mail and Outside the Mail)					(1) Outside County Paid/Requested Mail Subscriptions stated on PS Form 3541. (Include direct written request from recipient, telemarketing and internet requests from recipient, paid subscriptions including nominal rate subscriptions, employer requests, advertiser's proof copies, and exchange copies.)	12,104	12,315			(2) In-County Paid/Requested Mail Subscriptions Stated on PS Form 3541. (Include direct written request from recipient, telemarketing and internet requests from recipient, paid subscriptions including nominal rate subscriptions, employer requests, advertiser's proof copies, and exchange copies.)	0	0			(3) Sales Through Dealers and Carriers, Street Vendors, Counter Sales, and Other Paid or Requested Distribution Outside USPS®	98	103			(4) Requested Copies Distributed by Other Mail Classes Through the USPS (e.g. First-Class Mail®)	0	0			c. Total Paid and/or Requested Circulation (Sum of 15b (1), (2), (3), and (4))	12,202	12,418			d. Nonrequested Distribution (By Mail and Outside the Mail)					(1) Outside County Nonrequested Copies Stated on PS Form 3541 (Include Sample copies, Requests Over 3 years old, Requests induced by a Premium, Bulk Sales and Requests including Association Requests, Names obtained from Business Directories, Lists, and other sources)	7,021	6,935			(2) In-County Nonrequested Copies Distributed Through the USPS by Other Classes of Mail (e.g. First-Class Mail, Nonrequester Copies mailed in excess of 10% Limit mail at Standard Mail or Package Services Rates)	0	0			<p>(3) Nonrequested Copies Distributed Through the USPS by Other Classes of Mail (e.g. First-Class Mail, Nonrequester Copies mailed in excess of 10% Limit mailed at Standard Mail® or Package Services Rates)</p>
	Average No. Copies Each Issue During Preceding 12 Months	No. Copies of Single Issue Published Nearest to Filing Date																																																							
a. Total Number of Copies (Net press run)	19,576	19,642																																																							
b. Legitimate Paid and/or Requested Distribution (By Mail and Outside the Mail)																																																									
(1) Outside County Paid/Requested Mail Subscriptions stated on PS Form 3541. (Include direct written request from recipient, telemarketing and internet requests from recipient, paid subscriptions including nominal rate subscriptions, employer requests, advertiser's proof copies, and exchange copies.)	12,104	12,315																																																							
(2) In-County Paid/Requested Mail Subscriptions Stated on PS Form 3541. (Include direct written request from recipient, telemarketing and internet requests from recipient, paid subscriptions including nominal rate subscriptions, employer requests, advertiser's proof copies, and exchange copies.)	0	0																																																							
(3) Sales Through Dealers and Carriers, Street Vendors, Counter Sales, and Other Paid or Requested Distribution Outside USPS®	98	103																																																							
(4) Requested Copies Distributed by Other Mail Classes Through the USPS (e.g. First-Class Mail®)	0	0																																																							
c. Total Paid and/or Requested Circulation (Sum of 15b (1), (2), (3), and (4))	12,202	12,418																																																							
d. Nonrequested Distribution (By Mail and Outside the Mail)																																																									
(1) Outside County Nonrequested Copies Stated on PS Form 3541 (Include Sample copies, Requests Over 3 years old, Requests induced by a Premium, Bulk Sales and Requests including Association Requests, Names obtained from Business Directories, Lists, and other sources)	7,021	6,935																																																							
(2) In-County Nonrequested Copies Distributed Through the USPS by Other Classes of Mail (e.g. First-Class Mail, Nonrequester Copies mailed in excess of 10% Limit mail at Standard Mail or Package Services Rates)	0	0																																																							

TALPIRID®
KILLS MOLES

The Industry's
First & Only
Proven Mole Bait

Also try
TALPIRID®
MOLE TRAP
PREVENT PENING

For Complete Mole Control

Bell
LABORATORIES, INC.

More Than Meets The Eye
www.belllabs.com

Available from your Bell Distributor

RADIOS PUT MORE GREEN IN THE GOLF COURSE

Vertex Standard

**Industry Leading
3 Year Warranty**
9 Hour Long Life Li-Ion Battery
Heavy Duty

Non-Key Padded Radio
5 Watt 16 Channel
\$169.00

Key Padded Radio
Water Proof - Get It Wet!
5 Watt 32 Channel

Call For Pricing

VX-231 VX-459

Radios FOR GOLF.COM **888-560-0758**
Use Coupon Code: GOLF While Supplies Last

MOTOROLA Vertex Standard

It's Time for the Leaders to Lead

Golf will always be on trial. No matter how many success stories we tell, how many educational seminars we teach, how many frost-filter 30-second spots run during majors or even how fast and firm our courses get, the game will forever face scrutiny due to the scale and resources needed to maintain a golf course.

In fact, the more talented superintendents have become at maintenance and the more able designers have gotten at rearranging the earth, the unintended consequence has become increased hostility toward our sport for its reckless disregard of resources. On occasion the extremists have a point (earthmoving for the sake of earthmoving), but most times they simply are unwilling or unable to look at the majority of positive benefits outweighing the negatives that a golf course brings.

But humor me for a minute, and try to take a truly objective view — throw in the image of fat cats, country club excess and other golf stereotypes, then throw in a down economy — you can understand why there will always be folks putting the game on trial. Shoot, when you've listened to golfers moan about the color of divot replacement sand or a cart path crack, you've probably had days where Ted Kaczynski starts to make sense. Yep, you begin to see yourself sending long diatribes about the evils of committees from your remote cabin, all so you can ultimately self-publish a

GOLF'S LEADERS SAYING IT'S NOT THEIR DUTY TO DEFEND THE GAME ONLY CONFIRMS THAT THEY'RE GOOD AT ABDICATING RESPONSIBILITY.

BY GEOFF SHACKELFORD



manifesto titled “How Technology Compromised the Greatest Game and Other Neurotic Quibbles as Seen From Eastern Montana Where it's Really Cold in December.”

This is not to say you should go the Unabomber route. Nor is this an indictment of the impressive “rebuttal” stories in this issue, which are in no way a waste of time. Far from it. They are the stories of people sticking up for the game. These are the stories of the many remarkable people who open the doors each day to the world's most amazing arenas: golf courses.

Sadly, the same can't be said for the folks paid lavishly at some of our biggest non-profit organizations, who do not feel the same sense of purpose to take problem solving more seriously. The abdication of responsibility starts with the USGA and R&A's refusal to slow down the distance chase, leading to longer, acreage-eating courses. However, the average environmentalist hasn't a clue about that issue. Instead, environmentalists look at green striping or unnaturally lush grass or other quirks of the mod-

ern golf course, multiply them by 20, and soon have themselves convinced that they'd rather take a barefoot stroll around Chernobyl than play a round of golf.

The overpaid “leaders” of the game will say it's not their duty to defend golf. Their lack of action confirms one thing: They are good at abdicating responsibility. I know because right now there is a Ground Zero for golf and the trial is about to begin. It's called Sharp Park. It's an affordable Alister MacKenzie design just south of San Francisco. A group of certifiable, anti-human environmentalists are so determined to get rid of the place and the local politics are so wacky, that they may just win. It'll be the darkest day yet for golf, and while I salute the folks sticking up for this truly perfect public golf facility, I abhor the people in golf leadership circles who do not understand that this is the trial of golf's life.

Reach Shack, Golfdom's contributing editor, at geoffshack@me.com. Check out his blog — now a part of the Golf Digest family — at www.geoffshackelford.com.



Forget blue or red; the vote goes to **Emerald® fungicide** for the best dollar spot control on turf in every region of the U.S. With a single application, **Emerald** delivers unsurpassed dollar spot control for 14-28 days. And use **Curalan® fungicide** for that second application for economical control of dollar spot. For best results, include **Emerald** in your first application in spring followed by **Curalan**. Then use **Curalan** followed by **Emerald** for your last two fungicide applications in fall.

betterturf.basf.us



The Chemical Company