

THRU THE GREEN

The Golf Course Superintendents Association of Northern California

MAY / JUNE 2013

Northern California Chapter
GCSAA

Oakhurst COUNTRY CLUB



Officers & Directors 2013

OFFICERS



PRESIDENT
JON CHRISTENSON
Oakhurst Country Club
christenson.j.m@gmail.com



SECRETARY TREASURER
BRIAN BOYER
Cinnabar Hills Golf Club
bboyer@cinnabarhills.com



VICE PRESIDENT
GARY INGRAM, CGCS
Metropolitan Golf Links
gingram@playmetro.com



PAST PRESIDENT
RODNEY MULLER
Empire Ranch Golf Club
muller_rodney@yahoo.com

BOARD OF DIRECTORS



DIRECTOR
KYLE MARSHALL
Summitpointe Country Club
Kyle_m1@hotmail.com



DIRECTOR
JAY NEUNSINGER
Tilden Park Golf Course
jay9singer@gmail.com



DIRECTOR
JAMES ABATE
TPC Harding Park Golf Course
jimabate@pgatourtpc.com



DIRECTOR
STACY WALLACE
Stonetree Golf Club
wallacestac@yahoo.com



AFFILIATE DIRECTOR
JAMES SHERMAN
Turf and Industrial Equipment
jrs@turfandindustrial.com



AFFILIATE DIRECTOR
DAN ROGERS
Jacobsen West
drogers@jacobsenwest.com



ASSISTANT SUPERINTENDENT DIRECTOR
MATTHEW KUCHIN
San Jose Country Club
mkuchin@sanjosecountryclub.org



Inside

<i>Office Notes</i>	3
<i>Naumann's Nor Cal News</i>	3
<i>NorCalendar</i>	3
<i>New Members</i>	3
<i>President's Message</i>	4
<i>Management of Rapid Blight Disease on Putting Greens in Southern California</i>	7
<i>USGA/Chevron Partnership Supports Field Trip Programs in Northern California</i>	12
<i>From the Field</i>	14
<i>Tilden Park Gets Certified</i>	17
<i>Mullie, The Tilden Park Goose Gal</i>	17

Thru The Green published bimonthly by the Golf Course Superintendents Association of Northern California.

EDITOR
Brian Netzt, CGCS
(415) 561-4615
bnetzt@palmergolf.com

ASSOCIATION MANAGER
Barbara Mikel
(530) 626-0931
bmikel@gcsanc.com

PUBLISHER
Shaw Kobre
(707) 569-8481
shaw@inthehooppublishing.com

MEDIA CONSULTANT
Emmy Moore Minister
(530) 666-6508
emmypga@aol.com

Office Notes

By **BARBARA MIKEL**



We have just concluded the scholarship application process and once again we have lots of good candidates. The Scholarship Committee will begin the review, so stay tuned for their announcements. This brings to mind the Clifford & Myrtle Wagoner Scholarship Tournament scheduled for Claremont Country Club, July 1, 2013. This is a wonderful venue, and I am looking forward to another great event. Mark your calendars, grab your members/guests/friends for a great day of golf and auction items. If you have something you want to donate, please give me a call. Rounds of golf, golf merchandise, services, equipment and course materials are

just some of the items auctioned last year. As donations are made, we will post them to the website for review and bidding.

Web and *Thru the Green* use is something which I have been tracking since 2009. Thanks to the Google Analytics and Nxtbook Analytics, we have some good use information. It's good to know you are still reading and using these tools.

Some trivia:

The most frequently used browsers:

Internet Explorer	35.64%
Safari	25.64%
Firefox	19.90%
Chrome	17.23%
Mozilla Compatible Agent, BlackBerry, Android Browser, Blackberry 9560 Opera Mini & Safari (in app)	make up the balance.

Operating Systems:

Windows	64.55%
Macintosh	22.67%
iOS	6.93%
Not Set, BlackBerry, Android and Chrome OS	accounting for the balance.

There are also statistics on monitor resolutions, city and country of origin for visits to the website and as well as information regarding smartphone/tablet use.

Ok, so what you say? Well, all these factors are important for maintaining a functional website. As software changes in the Microsoft/Apple world, so too must the website. Last month there was an issue with Firefox which necessitated the updating of some of the website coding. Thankfully we do have a company interested in keeping us up to date. If you experience something odd or something that hasn't happened previously, please let us know.

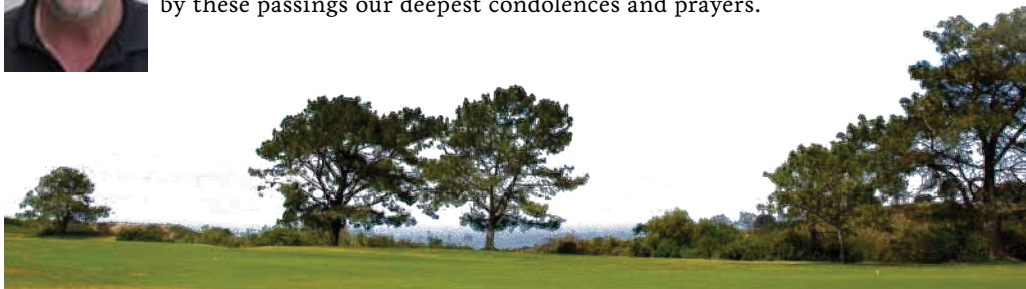
Want to send us something for *Thru the Green*? We love to have articles written by membership. Just submit by the deadline dates below.

July/August Issue	June 11
Sept/Oct Issue	August 13
Nov/Dec Issue	Oct 8
Jan/Feb 2014 Issue	Dec 10



Naumann's Nor Cal News

Sadly we must report the passing of **David Saly**, **Larry Norman** and **Gurmit Sandhu**, former supt. at Orinda CC. We wish all those affected by these passings our deepest condolences and prayers.



NorCalendar

MAY 20

Superintendents Field Workshop

Tilden Park Golf Course, Berkeley

JULY 1

Clifford And Myrtle Wagoner Scholarship & Research Tournament

Claremont Country Club, Claremont

DECEMBER 6

Holiday Party

Del Monte Golf Course and Monterey Hyatt Regency Hotel

More Details?

Visit www.gcsanc.com/events/next/

New Members

Andres Frost

A-1 Stump Removal

Affiliate

Corey Stewart

Poppy Ridge Golf Course

Class C Assistant Superintendent

Kevin Rosa

Club Car, Inc.

Affiliate

Peter J Galea, CGCS

Farmload

Affiliate

Rex Gentry

Western Pacific Distributors

Affiliate

Steve Mercuri

Target Specialty Products

Affiliate



See You There? **PRESIDENT'S MESSAGE** By **JON CHRISTENSEN**

Now that aerification is mostly behind us for another few months, maybe we can all find some time to play some golf? If any of you are like me....probably not!!! However, we have some worthwhile events coming up that I would like to encourage you to participate in. The annual Clifford & Myrtle Wagoner Scholarship and Research Tournament has been a huge success over the years, and we anticipate this year to be no different. We have another great venue to visit this year at Claremont Country Club on July 1st. This event is a great way for the Association to raise money for future Golf Course Superintendent's scholarships, scholarships for our sons, daughters, grandkids, and the research that can make our every day jobs easier, and also provides a great opportunity for networking with our peers and vendor sponsors. Speaking of our vendor sponsors, their support of this event has been outstanding through sponsorships and donations for the auction that follows the day of golf. Are you all aware that the GC-SANC website puts all of the items up for "silent auction" on the website also? For those of you that cannot attend, this provides a chance for you to give back to the event as well as score some great deals on some great items. I would like to also ask if anyone has or knows someone that has an item that can be donated for the auction, please contact myself or Barbara at the

office. For those that have taken part in the auction, you know that items have ranged from hand tools, power tools, sporting event tickets, golf, sports memorabilia, fertilizer, chemicals, sand, sod, etc. As you can see, we will take it all! I encourage you to talk to anyone you can, and donate a product for this worthwhile event for all of us.

We also have our annual Field Day event this year at Tilden Park. Wildcat Creek, which passes through Tilden Park Golf Course, sustained major erosion, including a washed-out bridge abutment, during the heavy winter storms of 2005-06. The Federal Emergency management Agency (FEMA) declared a federal disaster in Contra Costa County that winter. The East Bay Regional Parks District thereafter proposed to restore sections of Wildcat Creek passing through Tilden Park Golf Course by creating step pools and planting vegetation along stream edges and slopes, as well as the entire project being monitored during construction and re-vegetation which took place from September to early November 2012. Monitors were required on the project site in order to minimize impact on select species, particularly the federally protected California red-legged frog and Alameda whip snake. This will be a great field day example that will take place on May 20th at Tilden Park.

I hope to see you at these events! Please check the website for further details.



J. Arnaz Tree Movers

Protecting the integrity of California's golf courses.



J. Arnaz Tree Movers
Email John: treemover@comcast.net
408-266-1717

1593 Koch Lane • San Jose • California • Visit us on the web: www.treemovingexperts.com • State Contractor Lic. # 472305

Our experts can transplant or relocate mature trees quickly and efficiently using the latest state-of-the-art equipment including:

- 48", 65", 90" and 100" Hydraulic Tree Spades
Allowing for the transplanting of any tree without damaging the fragile root system
- Serving over 60 courses since 1972 • Tree Boxing and Planting

Los Altos C.C. **100" SPADE** **TREE BOXING**

WE ARE GOLF

More than just a game.



THE ECONOMIC IMPACT OF GOLF: STATE-BY-STATE

State	Number of Golf Facilities	Direct Economic Output*	Total Economic Output**	Total Jobs***	Total Wage Income***	Year SRI International Study Conducted
Alabama	252	\$808 Million	\$1.5 Billion	21,221	\$459 Million	2010
California	921	\$6.3 Billion	\$13.1 Billion	128,000	\$4.1 Billion	2011
Connecticut	185	\$638 Million	\$1.1 Billion	11,570	\$337 Million	2008
Florida	1,128	\$7.5 Billion	\$13.8 Billion	167,377	\$4.7 Billion	2007
Georgia	401	\$2.4 Billion	\$5.1 Billion	56,922	\$1.5 Billion	2009
Hawaii	83	\$1.4 Billion	\$2.5 Billion	30,187	\$854 Million	2007
Illinois	683	\$2.1 Billion	\$4.8 Billion	50,466	\$1.5 Billion	2007
Indiana	430	\$909.6 Million	\$1.7 Billion	21,000	\$530.7 Million	2008
Iowa	415	\$429 Million	\$770 Million	10,396	\$231 Million	2006
Kentucky	280	\$370 Million	\$710.4 Million	11,000	\$218.7 Million	2009
Louisiana	165	\$446 Million	\$810 Million	11,129	\$275 Million	2006
Maryland	189	\$727.2 Million	\$1.3 Billion	14,700	\$408 Million	2010
Massachusetts	375	\$1.4 Billion	\$2.8 Billion	29,630	\$857 Million	2006
Michigan	865	\$2.2 Billion	\$4.2 Billion	56,977	\$1.4 Billion	2006
Minnesota	508	\$1.2 Billion	\$2.4 Billion	34,653	\$777 Million	2006
Missouri	352	\$888.6 Million	\$1.7 Billion	21,000	\$485.1 Million	2010
New Hampshire	113	\$289.8 Million	\$525.1 Million	6,200	\$151.2 Million	2010
New Jersey	298	\$1.4 Billion	\$2.9 Billion	27,700	\$857.5 Million	2010
New York	818	\$2.9 Billion	\$5.3 Billion	56,594	\$1.6 Billion	2007
North Carolina	558	\$2.6 Billion	\$5.3 Billion	68,667	\$1.7 Billion	2007
Ohio	738	\$2.4 Billion	\$4.8 Billion	68,120	\$1.5 Billion	2006
Oklahoma	213	\$280.5 Million	\$545.6 Million	10,600	\$166 Million	2006
Oregon	190	\$1.2 Billion	\$2.5 Billion	27,168	\$704 Million	2008
Tennessee	297	\$960.5 Million	\$1.9 Billion	22,500	\$564.1 Million	2011
Texas	907	\$3.4 Billion	\$7.4 Billion	98,859	\$2.4 Billion	2006
Virginia	334	\$1.6 Billion	\$3.1 Billion	40,189	\$948 Million	2005
Washington	280	\$1.2 Billion	\$2.5 Billion	29,318	\$796 Million	2007
Wisconsin	499	\$1.2 Billion	\$2.4 Billion	38,431	\$772 Million	2008

* Direct Economic Output is defined as the size of the golf industry cluster (Golf Facility Operations, Golf Course Capital Investments, Golfer Supplies, Tournaments & Associations, Real Estate, Hospitality/Tourism) within the state economy in terms of revenues.

** Total Economic Output is defined as the direct economic output combined with the indirect economic output (includes revenue generated from the purchase of goods and services from other companies by golf course facilities and the companies that provide goods and services to the golf industry) as well as the induced economic output (includes economic impact from employee directly employed by the golf sector who will spend much of their income in the region thereby creating more spending and more jobs in the local economy).

*** Includes full-time employees only.

AN ADDITIONAL FIVE STATES COMMISSIONED THEIR OWN STUDIES:

State	Number of Golf Facilities	Direct Economic Output*	Total Economic Output**	Total Jobs****	Total Wage Income***	Study Conducted By
Arizona	338	\$2.1 Billion	\$3.4 Billion	53,957	\$1.4 Billion	Arizona State University, 2004
Colorado	239	\$560 Million	\$1.7 Billion	10,913	\$177 Million	Colorado State University, 2002
New Mexico	76	\$481 Million	\$985 Million	20,800	\$432 Million	New Mexico State University, 2005
Pennsylvania	699	\$1.1 Billion	\$2.3 Billion	48,900	\$700 Million	National Golf Foundation, 2002
South Carolina	375	\$1.4 Billion	\$2.3 Billion	30,938	\$713 Million	SC Department of Parks, Recreation and Tourism, 2007

**** Includes full-time and part-time employees

(800) 648-7626

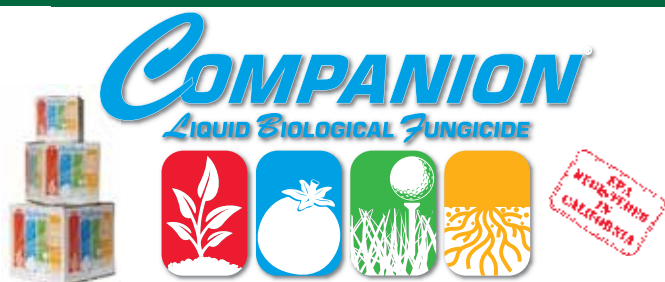


www.GrowthProducts.com

Change The Way Your **GREENS**
Work For You!

COMPANION® A BROAD SPECTRUM BIOLOGICAL FUNGICIDE

- Prevents and Controls Turf Disease • Improves Turf Vigor
- Makes Fungicides More Powerful •
- Increases Rooting



• **PROVEN • TESTED • RELIABLE • CONSISTENT •**
**EACH GALLON CONTAINS 55 BILLION SPORES OF BACILLUS
SUBTILIS GB03**

To learn how Growth Products can help your greens,
call Keith Gierzych today at (408) 687-3225 • kgierzych@growthproducts.com

BEST EverGreen 18-5-0 +5% Fe



The right piece of the puzzle
for effective turf nutrition
Homogeneous Performance
Works at lower rates
High Iron ... 5%
That Works!



Scan here for more
information about
BEST Turf Nutrition
Solutions.



Professional Grade Fertilizer
Spread the Word®

For more information about BEST® turf nutrition solutions visit us at
www.bestfertilizer.com • 800.832.8891 • Or contact your BEST Distributor

©2013 J. R. Simplot Company. All rights reserved.

ren·o·vate *vb.*

- 1: to make like new again
- 2: put in good condition
- 3: to restore



Rely on The Leader in
"Cutting Edge" Renovation
Technology Services

FROM REDDING, CA TO BAKERSFIELD, CA

TEE OFF - The Koro Topmaker® is ideal for removing
and leveling damaged or worn turf areas on your fairways,
verticutting and dethatching your tee-tops and greens.

THE APPROACH - Install our Tifway 419 Hybrid
Bermuda, 50-50 Blue Rye Blend, Bentgrass or our *exclusive*
bermuda turf blends; Baby Bermuda, Celebration, and
Princess 77. All varieties are offered on peat soil or sand with
or without netting, ideal for all your golf course needs.

IN THE CUP - Our Sports Turf and Golf Specialists
also offer a wide range of other services: Complimentary
Consulting, Custom Laser Grading, Big Roll Installation,
Bermuda Sprig Planting, Soil Reliever Aeration, Slit
Seeding and Field Top-dressing.



KORO
TOPMAKER®

Call Today
For the Tee-To-Green Success
Your Course Deserves!
(800)637-8873

www.deltabluegrass.com • C-27 752734

Management of Rapid Blight Disease on Putting Greens in Southern California



Rapid Blight disease affecting annual bluegrass on the practice putting green at Hidden Valley Golf Club, Norco, CA. Symptoms were more severe on this area of the study that received bi-weekly verticutting, sand topdressing, and dragging vs. the area in the background that received topdressing and no dragging. Photo taken 21 Sep 2012.

The Bottom Line:

Rapid blight disease activity was sporadic due in part to distribution of *Poa annua* on the putting green and environmental conditions. Rapid blight was most severe on the area of the green that received more aggressive cultivation practices (light verticutting, sand topdressing, dragging). In contrast, light sand topdressing without dragging incited less disease and thus would be recommended during the summer months on greens with a history of the disease. Pillar G (Insignia) alternated with Fore Rainshield (mancozeb) provided the best overall suppression of rapid blight. Velista (penthiopyrad) appeared to offer the greatest Rapid blight suppression among newer and previously untested fungicides.

Research Report Brought To You By

UNIVERSITY OF CALIFORNIA
UC RIVERSIDE

CA TURFGRASS & LANDSCAPE FOUNDATION
"Keeping California Green and Growing"

UCR
turfgrass science

Alea Miehl and Jim Baird

Department of Botany
and Plant Sciences
University of California, Riverside
jbaird@ucr.edu

Iain Sturge

Superintendent
Hidden Valley Golf Club
Norco, CA

Introduction:

Rapid blight, caused by *Labyrinthula terrestris*, is an increasingly serious disease of *Poa trivialis*, *Poa annua*, and perennial ryegrass turf. Disease is usually associated with poor quality irrigation water with elevated sodium chloride, and severity on *Poa annua* putting greens in California typically manifests in late summer as salts accumulate in the turf profile. Furthermore, cultivation practices aimed at improving putting conditions can incite disease activity by compounding summer stress of host species. Few fungicides are effective for control of rapid blight, but include pyraclostrobin (Insignia), trifloxystrobin (Compass), and mancozeb (Fore).

Objectives:

1. Evaluate new and existing fungicides and nutrients for preventative control of Rapid Blight disease on a *Poa*/bentgrass putting green.
2. Evaluate two cultivation strategies for their impact on disease incidence and severity.

Location: Hidden Valley Golf Club
Norco, CA

Site: Practice putting green

Rootzone: Sand

Mowing Height: 0.110-0.125 inches

Fertility: See treatment list

Experimental Design: Randomized Complete Block;
4 replications

Plot Size: 4 ft by 6 ft

Sprayer: Output: 2 gal/1000 ft²

Nozzles: TeeJet 8004VS nozzles

Study Period: 3 July (first chemical treatments)
to 28 Sept. (final rating) 2012

Cultural Practices:

Prior to the study, the normal maintenance regimen on the green included spraying every two weeks with 0.2-0.3 lb N/1000ft², and 0.4-0.6 lbs K/1000ft² and Primo Maxx at the high label rate. These practices were stopped during the study period.

Cultivation Treatments:

One area of the green where chemical treatments were applied received double verticutting, light sand topdressing, and dragging on 17 July 2012 and approximately every 2 weeks thereafter during the study. Chemical treatments were also applied to another area of the same green that received light sand topdressing only every two weeks. The entire green was core aerated and topdressed on 9 July 2012.

Data Collected:

Percent *Poa annua* cover (0-100%) at Day 0; Disease Cover (0-100%); Visual Turf Quality (1-9, 9 = best, 6 = minimally acceptable); Electrical conductivity (dS/m); Digital images (overall + individual plots)

Acknowledgments:

Thanks to BASF, Bayer, Dow AgroSciences, Syngenta, DuPont, Grigg Brothers, Valent, and the California Turfgrass & Landscape Foundation (CTLF) for their support of this research.

Results:

- ✓ Initial disease activity was observed on 3 August, 28 days after initial chemical treatments. However, greatest activity occurred at the end of August through September.
- ✓ There were significant differences in rapid blight activity between the cultivation practices at three rating dates (Table 1). The more aggressive practice of verticutting, topdressing, and dragging incited more disease and resulted in higher salinity on one rating date only (Table 2).
- ✓ The only significant differences in rapid blight suppression among the chemical treatments occurred on 30 August and 28 September (final rating date) (Table 3). Although there was appreciable variation in rapid blight disease activity due to *Poa annua* distribution and environmental conditions during the study, the best disease suppression was achieved with the proven rapid blight fungicides: pyraclostrobin, mancozeb, and trifloxystrobin. Mancozeb applied alone provided among the best rapid blight suppression when applications were made on a routine basis. However, protection was short-lived following the final application in late August. A similar observation was made for the treatment combination of PK Plus, Elicitor, and Kelplex. Of the newer fungicides, Velista (penthiopyrad) offered among the best and longest disease suppression; however further testing is needed to confirm activity.
- ✓ Our results confirmed that preventative applications of proper fungicides in conjunction with minimally invasive cultivation practices are key components to managing rapid blight on *Poa annua* putting greens in southern California.

Table 1. Effects of cultivation treatments on rapid blight disease severity averaged over chemical treatments. 2012. Norco, CA.

	Rapid Blight Cover (%)	Rapid Blight Cover (%)	Rapid Blight Cover (%)
	8/30/12	9/20/12	9/28/12
Verticut	49.01	67.46	67.15
Non-verticut	36.70	34.26	42.29
LSD ($\alpha = 0.05$)	2.43	4.07	4.13

Table 2. Effects of cultivation treatments on soil electrical conductivity (EC) averaged over chemical treatments. 2012. Norco, CA.

	Soil EC (dS/m) Mean
Verticut	0.546
Non-verticut	0.456
LSD ($\alpha = 0.05$)	0.367



RON HARVEY
PUMP SERVICES MANAGER

125 MASON CIRCLE
SUITE G
CONCORD, CA 94520
rharvey@cornerstoneenv.com

DIRECT: 209.345.8359
FAX: 925.755.8099
MAIN OFFICE: 925.299.9225

SAND - BASED

Bentgrass
Ryegrass
Bluegrass
Bandera Bermuda
Rye-Blue
Fine Fescue
Tall Fescue
Tifway II

SOD

GREG DUNN
209/993-3329
www.westcoastturf.com

Installation available

Find us on Facebook



Seashore
Paspalum

or your
custom
grown
variety!

LOCALLY GROWN

WEST COAST
TURF

Life is short. Sod it!

Table 3. Effects of chemical treatments on rapid blight disease severity averaged over cultivation treatments. 2012. Norco, CA.

No.	Treatment	Company	Rate Formulation	(oz/1000 ft ²)	Rapid Blight Cover (%) Applications (d)	Rapid Blight Cover (%) 30 Aug 2012	28 Sep 2012
1	Control	--	--	--	--	53.9	51.9
2	PK Plus	Grigg Bros.		6	0, 14, 28, 42, 56	52.4	67.9
3	Elicitor	Grigg Bros.		2	0, 14, 28, 42, 56	44.0	63.9
4	PK Plus Elicitor	Grigg Bros. Grigg Bros.		6 2	0, 14, 28, 42, 56 0, 14, 28, 42, 56	49.5	64.2
5	PK Plus Kelplex	Grigg Bros. Grigg Bros.		6 2	0, 14, 28, 42, 56 0, 14, 28, 42, 56	53.5	68.5
6	PK Plus Elicitor Kelplex	Grigg Bros. Grigg Bros. Grigg Bros.		6 2 2	0, 14, 28, 42, 56 0, 14, 28, 42, 56 0, 14, 28, 42, 56	35.8	58.5
7	N, P, K control	--	--	--	0, 14, 28, 42, 56	52.2	60.6
8	Secure	Syngenta	4 SC	0.5	0, 14, 28, 42, 56	46.5	57.0
9	Secure Daconil Action	Syngenta Syngenta	4 SC SC	0.5 3.0	0, 14, 28, 42, 56 0, 14, 28, 42, 56	40.5	52.8
10	A12946B	Syngenta		0.5	0, 14, 28, 42, 56	43.6	61.0
11	Pillar Fore Rainshield	BASF Dow	G 80 WP	3.0 lbs 8.0	0, 28, 56 14, 42	28.5	26.6
12	Insignia	BASF	2 SC	0.7	0, 21, 42	45.1	39.8
13	Insignia Fore Rainshield	BASF Dow	2 SC 80 WP	0.7 8.0	0, 28, 56 14, 42	32.4	47.1
14	Compass Fore Rainshield	Bayer Dow	50 WG 80 WP	0.25 8.0	0, 14, 28, 42, 56 0, 14, 28, 42, 56	41.9	44.8
15	Fore Rainshield	Dow	80 WP	8.0	0, 14, 28, 42, 56	25.5	81.9
16	Velista	DuPont	50 WDG	0.5	0, 14, 28, 42, 56	41.6	39.4
17	Velista Daconil Ultrex	DuPont Syngenta	50 WDG 82.5 WDG	0.3 3.25	0, 14, 28, 42, 56 0, 14, 28, 42, 56	33.1	51.4
18	Velista Insignia	DuPont BASF	50 WDG 2 SC	0.3 0.5	0, 14, 28, 42, 56 0, 14, 28, 42, 56	36.6	60.5
19	UCR001	Exp.		0.31	0, 14, 28, 42, 56	53.1	45.0
20	0-0-50	--	G	2.0 lbs	14, 28, 42, 56	47.4	51.8
	LSD ($\alpha = 0.06$)					6.1	7.3

Application Dates: A = 3 July; B = 19 July; C = 3 Aug; D = 16 Aug; E = 30 Aug.
N, P, K control provided same amounts of nutrients as contained in trts 2-6.

n a t u r a l & o r g a n i c

NatureTech

A Division of ORGANIC FARMS

Quality & Economy

- Slow Release Nitrogen and Variably Releasing Nitrogen Blends.
- Promotes Turf Density and Speeds Aeration Recovery.
- Enhances Soil Structure for Improved Disease Resistance.



For more information visit our web site: www.NatureTechFertilizers.com
or call 209-394-1171



SIERRA PACIFIC TURF SUPPLY

INDEPENDENTLY OWNED & OPERATED
SINCE 1982



PRODUCT • PERFORMANCE • PROMISE

Sparks - (888) 460-8873

Rocklin - (800) 652-8721

Campbell - (800) 827-8873

Sierra Pacific Turf Supply has
3 locations to serve you:

Campbell: 510 Salmar Avenue • Campbell, CA 95008

Rocklin: 1175 Tara Court • Rocklin, CA 95765

Sparks: 535 Vista Blvd., Sparks, NV 89434

USGA/Chevron Partnership Supports Field Trip Programs in Northern California

First Green-Innovative STEM Program Brings Youth to the Golf Course

April 2, 2013. As people in the golf industry work to stem the decline in players, a group called First Green is bringing youth to golf courses, giving many of them a positive introduction to the game. The Pacific Northwest-based First Green is innovative in that it accomplishes this through science—by using golf courses as learning labs.

How does it work?

First Green has created training and resources to assist golf superintendents in hosting schools on their local courses. Teachers and students make field trips to the course where they perform hands-on experiments and tests, all within the focus of their school's environmental science and/or horticulture curricula.

In these outdoor “labs” students test water quality, collect soil samples, identify plants, do math activities and work with local issues such as stream-bed or owl-nest restoration.

First Green also emphasizes the environmental and community benefits of golf courses, while introducing potential new golfers to

the game in a fun, educational manner.

The learning labs are based on what the superintendent does as part of his golf course management regimen. First Green has linked these activities to the curriculum in the classroom, allowing the learning labs to offer schools “real-world” learning experiences. These STEM (Science, Technology, Engineering and Math) labs enhance what the schools provide within the classroom.

How Can You Get Started With Field Trips?

First Green has just been awarded a one-year STEM grant of \$100,000 by the United States Golf Association (USGA). The grant funds the development of informational training videos and field trip resource kits that will be made available to golf course superintendents who schedule field trips on their facilities.

The grant also funds First Green workshop programs in Northern California to review the field trip resources and talk about starting local golf course/school connections.

May 30 is the first opportunity for you to experience a First



Green field trip and start planning for your own local program. See the workshop information below.

A tax-exempt nonprofit, First Green was founded in the State of Washington in 1997 and is expanding nationally. For more information about First Green, see <http://thefirstgreen.org>. Be sure to take a look at the Power Point field trip overview.



Registration Open for Free First Green Workshop

You can observe a field trip on May 30. This will be a fun event and a great way to see First Green in action. Superintendents, club members and association members are all invited. You will also be able to see the field trip resource kit and talk about the potential of a field trip at your own golf course.

Location:

Metropolitan Golf Links: 10051 Doolittle Dr., Oakland, CA 94603

When:

May 30 from 10:30 a.m.–1:30 p.m.

The actual field trip will be from 10:30 to 12 noon. Afterwards, First Green will host a lunch and brief informational workshop (12:00–1:30 p.m.) that will explain how you can get started at your own golf course.

Register on the First Green website at <http://thefirstgreen.org>.



**Dedicated to fighting evils,
StressGard™ Formulation Technology
never rests.**

Protect your course with the most powerful technology out there. When it comes to overall plant health, Bayer fungicides with *StressGard™* Formulation Technology give you control when it matters most. We've developed these products to work at a cellular level, strengthening turf and fighting against evil stressors like heat, drought and traffic so you'll have the strongest, healthiest turf and happy golfers. **To learn more visit BackedByBayer.com/StressGard.**

Tartan® | Chipco Triton® Flo | Interface® | Chipco® Signature™ | Reserve®

Our five quality fungicides with StressGard Formulation Technology are proven to have preventive and curative properties against disease.

For further information call:
George Raymond 805-290-0413
george.raymond@bayer.com




Bayer Environmental Science, a division of Bayer CropScience LP, 2 T.W. Alexander Drive, Research Triangle Park, NC 27709. 1-800-331-2867. www.BackedByBayer.com. Chipco, Chipco Triton, Interface, Reserve and Tartan are registered trademarks of Bayer. StressGard and Signature are trademarks of Bayer. Not all products are registered in all states. Always read and follow label instructions carefully. © 2011 Bayer CropScience LP.



Bayer Environmental Science

“Tame Your Turf”




We at **Parris Turf Equipment** strive to Provide unmatched Service and **Support** for our customers **before, during and after** their purchases. We help customers to **maximize their investment** by minimizing the operating challenges of their equipment.

Parris Turf Equipment • Sebastopol, CA

707.364.0213

www.parristurf.com







From the Field

By **JEFF JENSEN**, GCSAA Field Staff, Southwest Region

The 2013 Rounds 4 Research auction is right around the corner and we still are in need of donations from Northern California golf facilities. The first auction is scheduled for June 6-16 in conjunction with the U.S. Open and the second auction is scheduled for Aug. 1-11 revolving around the PGA Championship.

As you may be aware, the Rounds 4 Research program was designed to address a critical shortage in turfgrass research funding by auctioning donated rounds of golf online. The program is administered by the Environmental Institute for Golf (EIFG) and presented in partnership with Toro. EIFG is the philanthropic organization of the Golf Course Superintendents Association of America.

Rounds 4 Research allows GCSAA chapters and turfgrass foundations to participate as fundraising partners with the 80% of proceeds from the auctioned rounds going back to those organizations. In this way, these organizations can direct the proceeds to specific projects that will have the most significant impact in their local areas. The remaining 20% of proceeds go to operating costs involved with the management and marketing of the program. In addition to research, chapters may use funds for advocacy, education, scholarships and environmental programs.

Biddingforgood.com is online auction platform assisting Rounds 4 Research. Biddingforgood.com has a database of 650,000 active users. In addition to the marketing assistance being provided by the USGA and PGA of America, Rounds 4 Research is being pro-

moted through social media, press releases and various allied golf organizations with a specific focus on state golf associations who have the most direct access to golfers.

To donate a round, please visit www.rounds4research.com and click on the donate button in the upper right hand corner. Fill out the facility, contact, donation information, description, redemption and proceeds blocks. Make sure to indicate the chapter or foundation you want the funds to go to. You may also put restrictions on the rounds in this area including days, times, attire, etc. Download a course photo and logo and then send in a certificate to EIFG or they can create one for you.

The entire process takes approximately 10 minutes and you will be assisting your chapter in raising funds for important research and education.



www.rounds4research.com

If you have any questions concerning the program, please don't hesitate to contact me at jjensen@gcsaa.org or follow me on Twitter @GCSAA_SW. Enjoy the great spring weather and I hope to see you at an upcoming event.

COUNT ON US

Proudly Representing: • **TORO** Equipment and Irrigation Systems • Pre-Owned Equipment • Club Car • Harper • Express Dual • Turflite • Otterbine



800.585.8001
www.turfstar.com

Bermuda Dunes | Brea | Fresno
Hayward | Rancho Cordova | Vista

Never lose tee times to aeration again!



Northern California's premier
mobile aeration service



Proudly using the revolutionary
PlanetAir Tri-fecta

Call or email today for pricing or a free demo

Jason Showard
Mobile: 925.487.2105

Email: Jason@ShowardTurf.com
Web: www.ShowardTurf.com

Watch the PlanetAir Tri-fecta in action!



Schedule today and get 50% off of your first service!

TMT ENTERPRISES, INC.

GCSANC Members Since 1976

Phone: 408-432-9040

IN BUSINESS SINCE 1961



Winter Specials From TMT Enterprises!

Cooler temps typically mean slower germination rates. Keep your seed popping with colored top dressing or divot mix & STS Soil Activator! Colored sand or divot mix, available in bulk or bulk totes will hold more heat than ordinary sand. This helps germination & increases soil temps. STS Soil Activator conditions soil & promotes nutrient uptake for turf recovery & better root development. Call today for more info!

TMT Enterprises is now your exclusive supplier of TD-320 top dressing sand & BB-205 Bunker Sand. We offer you the widest selection of top dressing & bunker sand of any supplier in California. From Idaho BB bunker sand to Monterey's PB bunker sand, our own TMT White Bunker Sand, G8, #3, kiln-dried sand, bagged sand, colored sand, divot mix, organics, aggregates, cart path materials, Bunker Binder, gypsum, lime, compost tea & more. TMT Enterprises is a full-service vendor.



Web: www.tmtenterprises.net

Email: info@tmtenterprises.net

Nematode Problem?

Many of the prestigious golf courses in Northern California are using

Debug ^{TURBO}

and saving the green\$ too!

www.debugturbo.com

Tel: 714-990-9220

info@agrologistic.com

ANGUINA
INFESTED

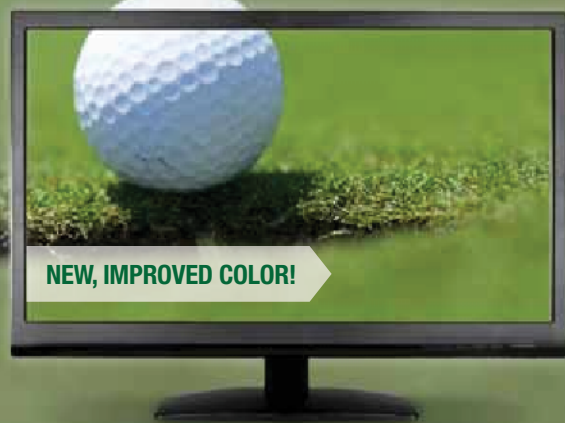
DEBUG TURBO
TREATED*

*Individual results may vary

TURN ON THE COLOR.

VISION PRO HD HIGH DEFINITION TURF COLORANT

Take your greens and tees from standard to picturesque with Vision Pro HD turf colorant. Vision Pro HD provides natural-looking, long-lasting green color that won't fade to blue. Specially formulated for chemical compatibility and safe for all types of pump seals, Vision Pro HD can be used alone or in combination with plant health and protection programs. Add Vision Pro HD to your greens and tees spray programs and let the pride in your turf quality show for itself.



Greg Wahl

925.519.2193 • greg.wahl@beckerunderwood.com
beckerunderwood.com

BECKER 
UNDERWOOD
Inventing the Future

™, © Trademarks, registered or applied for, of Becker Underwood, Inc., Ames, IA.

Tilden Park Gets Certified



Tilden Park Golf Course was recently recognized as a Certified Audubon Cooperative Sanctuary, becoming the 67th course in California and 1009th in the world to get this honor.



Mullie, The Tilden Park Goose Gal

We found Mullie on Craig's List from a young couple in Hayward. She is a Border Collie/McNab mix. Both breeds are herding dogs. Her favorite toy is a squeaky skunk. She loves to herd everything from me to the mowers on the course. In her "off duty" time she lives with Jay and his girlfriend in the Richmond Marina.