IHRU THE GREEN

The Golf Course Superintendents Association of Northern California







Lake Merced Golf Club

- 2024 GCSANC Award Winners
- Meet the New Board Members
- Latest Turfgrass Research



Peninsula Golf and Country Club





2025 GCSANC Assistant Superintendent Boot Camp

Develop Your Skills

Learn, network, and grow with industry leaders! Engage discussions on plant science. building, team renovation strategies, and more.

Hear from Industry Leaders including:



Dr. Jim Baird Turfgrass Specialist, UC Riverside

Plus hear from Marc Snyder, Dr. Charles J. Schmid, Frank Rossi, Parker Rey, Mike Franz and more!

Thank You Title Sponsors





Elevate your career! Early bird pricing until Jan 15!

February 24-25, 2025 **Bayonet & Black Horse** 1 McClure Way, Seaside

Featured Topics

- Plant Growth Regulator Science
- Oregon State Aerification Study Highlights
- Managing Various Property Types
- Renovation and Turf Conversion Tour at Bayonet and Black Horse
- and more!





THRU THE GREEN

The Golf Course Superintendents Association of Northern California



Spatafore • 5



Connerly • 6

INSIDE

- 4 Chapter Officers & Directors
- 4 Advertisers Index
- 5 President's Message
- 6 Executive Director's Report
- 8 From the Field
- 10 Assistant Superintendent Profile: Aaron Gonzalez
- 12 2024 GCSANC Annual Meeting & Awards Ceremony
- 18 GCSANC Preferred Partners
- 20 Latest Turfgrass Research
- 24 2024 GCSANC Holiday Meeting
- 26 New GCSANC Board Members
- 30 2024 Electric Equipment Expo













ON THE COVER

L to R: The Olympic Club, Pasatiempo Golf Club, Bayonet and Black Horse, Lake Merced Golf Club, Contra Costa Country Club, and Peninsula Golf and Country Club

NORCALENDAR

Monday-Tuesday February 24-25 Assistant Superintendent Boot Camp Bayonet and Black Horse

THRU THE GREEN

The Golf Course Superintendents Association of Northern California

OFFICERS & DIRECTORS 2024



PRESIDENT
STEVEN SPATAFORE
Contra Costa Country Club







SECRETARY TREASURER BRIAN BOYER
Cinnabar Hills Golf Club

PAST PRESIDENT JAY NEUNSINGER Richmond Golf Club





DIRECTOR

TAYLOR ANDERSEN

San Francisco Golf Club



DIRECTOR

BRIAN DAUM

Turf Star Western



DIRECTOR

ADAM LEVINSOHN

Berkeley Country Club



DIRECTOR

ANDY LINDLOFF

Fountaingrove Golf Club



DIRECTOR
TIM POWERS
Poplar Creek Golf Course



DIRECTOR

RYAN NICHOLS

Sierra Pacific Turf Supply



ASSISTANT SUPERINTENDANT LIAISON DERICK MARA
Mayacama Golf Club

ADVERTISERS INDEX

A-G Sod Farms	8
Assured Aggregates	9
BASF	9
Belkorp	32
BEST	9
Brandt	8
Davey Resource Group	23
DHR Construction	9
Delta Bluegrass	17
Earth Sculptures	23
Envu	7
ESD Water2Water	23
Flyers Energy	9
Frontier Golf	11
G3 Minerals	9
Ginkel Design	7
Golf Irrigation Consultants	9 7
GrassRoots Turf Supply	7
GreenSight Inc	17
Nufarm	17
Nutrien	7
Pacific Material Resources	17
Sierra Pacific Turf Supply	31
Simplot T & H	15
Sonoma Turf	17
STS Turf	23
Sunbelt Rentals	27
Syngenta	17
Target Specialty Products	27
TMT Enterprises	31
Trimax	11
Turf Star	28-29
West Coast Turf	31

PUBLICATION MANAGER MARC CONNERLY 916-214-6495

MConnerly@connerlyandassociates.com

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

In response to member requests, we are now pleased to offer full-color, printed copies of Thru The Green for \$40 per issue.

To order a copy, to be shipped to you via mail, submit your name, address and payment information to mconnerly@connerlyandassociates.com.

To pay by check, send payment and contact information to:

GCSANC

2235 Park Towne Cir., 2nd Floor Sacramento, CA 95825.



President's Message

By STEVEN SPATAFORE, Golf Course Superntendent, Contra Costa Country Club

It was great to see many of you at Contra Costa Country Club for our annual meeting and the holiday meeting at Monterey Plaza Hotel & Spa, a pair of great events to wrap up another successful year for the association. Thank you to all of our preferred partners and event sponsors for their contributions in making all of our events happen. I hope to see many of you at the GCSAA Conference and Trade Show in San Diego, California, in February 2025. If you have not signed up yet for the California Room on Wednesday, February 5th at Petco Park, follow the link here to sign up before the end of the year for the lowest price (https://cgcsa.wildapricot.org/event-5846255).

I want to recognize and thank our outgoing board members, Brian Daum and Brian Boyer, once again for their years of leadership and service to this association. Our association is in great hands under the leadership of incoming President Joe Budinich. He has a real passion for all the members and is always looking for new ways to provide education and career development for our current members and future superintendents. Additionally, our board is joined this year by an excellent pair of superintendents in Michael Knoll and Patrick Tuttle and a great new affiliate director in Ryan O'Connor. Be sure to check out their bios later in this newsletter.

Despite the many new faces on the board in the coming year, many of our most important initiatives live on. Namely, our desire to grow our Rounds4Research participation. Eighty percent of the monies raised by GCSAA are returned to the local chapter to fund studies on warm season grass breeding, fungicide trials, and other research studies to help us improve our courses. Whether you are a public or ultra-private facility, you can customize your donation to fit your unique parameters. I would be happy to discuss with anyone how to format your donation to ensure it will work for you and your facility.

Happy holidays and a happy new year to you and your teams!

Sincerely,

Steve A. Spatafore

Steven A. Spatafore Contra Costa Country Club



Executive Director's Report

By MARC CONNERLY, GCSANC

GCSANC hosts a number of traditional events, including the Affiliates Breakfast, Annual Meeting, Assistant Superintendent Boot Camp, Field Day, Holiday Meeting, S & R Tournament, and the USGA Meeting. Every three years, we also host the Tri-Chapter meeting (which will be ours to host again in 2025).

In 2024, for the third consecutive year, we have co-hosted a "bonus" event with the California Golf Course Owners Association (CGCOA) and the Northern California Sports Field Management Association (NCSFMA). Two years ago, the collaboration was on the Northern California Golf, Turf & Water Summit, and in each of the last two years we have presented an Electric Equipment Expo.

As in 2023, this year's Electric Equipment Expo featured multiple "inside" presentations followed by various vendors displaying and demonstrating their electric equipment in an "outside" tradeshow format. This year's inside presentations included an update on the Zero-Emission Landscaping Equipment standards by representatives from the California Air Resources Board (CARB), a discussion of solar energy options and considerations presented by REP Solar, and a brief introduction and product overview by equipment retailers Bee Green.

Outdoors, we were fortunate to have spectacular weather for the demonstrations by title sponsor Turf Star Western, as well as Bee Green, Belkorp Golf & Turf, Cal Turf (California Turf Equipment & Supply), EGO Commercial, Greenworks Commercial, Kress, Monarch Tractor, REP Solar, SiteOne Landscape Supply, and Spreck Energy.

In addition to golf course superintendents, event attendees included sports field managers, golf management company representatives, golf course owners, and affiliate representatives.

Plans for a 2025 "bonus" collaboration event are underway, with the focus on an emerging technology expo, including autonomous mowers, drones, GPS equipment, and more. Watch your email for more information in the coming months.

Finally, we just held a very successful Holiday Meeting, returning to Monterey for the first time since 2019 in response to member feedback. The Monterey Plaza Hotel & Spa was the venue for the event, and it was nothing short of spectacular! Great food, exceptional service, and a one-of-a-kind location sitting on the water made for a great evening.

Wishing all of our members, your families and your work team a very enjoyable and healthy holiday season, and I look forward to seeing you in 2025!

Marc Connerly



GCSANC wants YOUR submissions to Thru the Green!

Several themes are planned for Thru the Green in 2025, and we are looking for member input on the following ...

- Industry news
- Articles
- Photos of golf course dogs/pets
- Photos of wildlife on the course

In addition, we'd like to know what you find most challenging as a golf course superintendent or assistant superintendent, and what you do to stay ahead of stress.

Please send submissions to:

Tracy Williams at tracy@connerlyandassociates.com.

Submissions will be featured at the discretion of GCSANC.













From the Field

By JEFF JENSEN, GCSAA Field Staff, Southwest Region

I hope this finds all of our GCSANC members doing well. It was great to see many of you at the annual meeting at Contra Costa Country Club. I was very honored to be recognized by the chapter with the President's Award. I have always appreciated the support of the chapter as well as the many superintendents in the northern California area. It's an honor to serve all of you and the golf industry at large. We have accomplished many things as an industry, and I look forward to continuing the work on behalf of superintendents who are the backbone of the game.

I recently returned from the annual GCSAA Chapter Delegates Meeting held in Lawrence, Kansas. Ninety GCSAA-affiliated chapters were represented at the two-day meeting. The main topic of discussion was a proposed dues increase that will be voted on at the GCSAA annual meeting in San Diego this February.

The increase would move the dues for Class A/B from the current \$465 per year to \$530, Class C dues from \$240 to \$275, and equipment manager (EM) dues from \$115 to \$150. The increase was based on a two-year Consumer Price Index (CPI) increase of 8.1 percent (\$40 Class A/B, \$20 Class C, \$10 EM), plus an additional increase above CPI (\$25 Class A/B, \$15 Class C, \$25 EM).

The proposed dues increase will ensure that GCSAA can continue to meet the needs of our members. While CPI increases over the past years have allowed GCSAA to keep up with inflation and costs of doing business, we have added numerous programs and services that need additional funding to provide greater impact on a quicker timeline.

The increase in dues is not earmarked for any particular project or service, but will assist with our continued efforts in the areas of workforce development, advocacy and government relations, environmental efforts and increasing the professional recognition of GCSAA members.

Other topics discussed at the meeting included updates on various GCSAA programs, such as Rounds4Research, government affairs, the GCSAA Conference and Trade Show, First Green, Workforce Development, the Golf Course Environmental Profile Series and GCSAA's upcoming 100-year Centennial Celebration. Delegates also had the opportunity to meet and interview candidates for the upcoming Board of Directors election that will be held in February. A list of candidates and credentials can be viewed at https://www.gcsaa.org/about-gcsaa/annual-meeting/2025/2025-annual-meeting-preview.

If you have any questions concerning the dues increase or any other discussions at the delegates meeting, please do not hesitate to contact me or your Chapter Delegate Steven Spatafore, and we will be glad to discuss this in detail.

As we rapidly approach the holiday season, I hope you have the chance to spend some quality time with family and friends and enjoy the festivities. If you have any questions, please contact me at jjensen@gcsaa.org and follow me on X @GCSAA SW for industry updates.

Jeff

Thank you to GCSANC Silver Preferred Partner:



BRANDT. iHammer

www.brandt.co

Thank you to GCSANC Silver Preferred Partner:



www.agsod.com

Top Dressing & **Bunker Golf Sand**

Improve play conditions and reduce maintenance costs with sand from G3 Minerals

Top Dressing Blends

- TD 320 TD 330 • TD 325 • TD 360
- **Golf Bunker Blends**
- G3 Premier White
- G3 Bunker
- G3 White

Get your sand blend solution, click or call today!





Thank you to GCSANC Silver Preferred Partner:

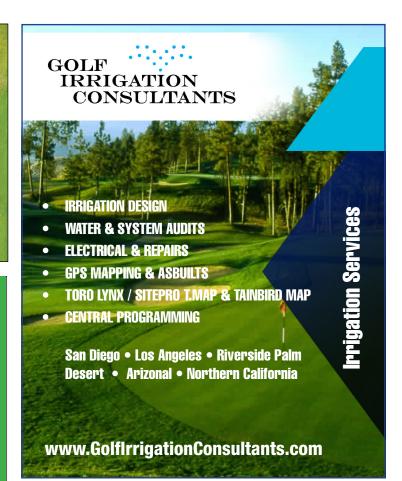


We create chemistry www.basf.com

Thank you to GCSANC Silver Preferred Partner:



www.assuredaggregates.com



Thank you to GCSANC Silver Preferred Partner:



www.dhrconstruction.com





Everyone wants to be great. Only one can be **BEST***

You can see the difference in every bag of BEST® fertilizers for professional turf management. More importantly, you'll see the difference in the health, beauty and durability of your turf, BEST® includes a full range of quality fertilizers that feature homogenous pellets and advanced coatings that deliver consistent, predictable performance—backed by the commitment and stability of an industry leader. Don't settle for second best. Get BEST for superior quality, selection and value, no matter the application.



Go to BESTferilizer.com to learn more about the full line of BEST® products.



Thank you to GCSANC Silver Preferred Partner:



www.flyersenergy.com

Assistant Superintendent Profile:

Aaron Gonzalez, Presidio Golf Course

What made you decide to get into golf maintenance?

I was first introduced to golf maintenance by my mom at the age of 8 or 9 years old. She was a greenskeeper and would take me to the course in the afternoons, where she would manually turn on the irrigation through the controllers. From there, she taught me how to cut cups, mow greens, set tee markers, and the ins and outs of golf course maintenance.

What is your proudest accomplishment in the industry?

My crew is my proudest accomplishment. I enjoy giving them the opportunity to grow or have greater responsibility because they have so much potential.

Who would you consider your most influential mentor in the industry?

Carter Rockwell was the person who took a risk on me because he hired me as greenskeeper and then promoted me to Spray Technician. Carter always had a smile and listened to my feedback. Always gave me freedom to try new methods and motivated me to grow in the field.

Where did you grow up?

I grew up in a small farming town in the delta called Courtland, California.

Your best Nicknames?

A-A-Ron, Jefe, El Boss.

If you could drive any vehicle, what would it be?

Porsche 918 Spyder.

Curly fries or regular, and why?

Curly fries from Jack in the Box, waffle fries from Chickfil-A, regular fries everywhere else because no one can compete with the late night food of Jack in the Box.

What is the funniest thing you have ever seen on a golf course?

One early, moist morning on the course, an employee was driving downhill on a steep fairway. He aggressively stepped on his brakes, then his cart did a full 360 and he drove off like he meant to, like a Nascar driver.

What is one thing that most people don't know about you?

I studied abroad in the United Kingdom. They really do drink a lot of tea over there!

What was your lowest score playing golf, and where?

My score was 105, at the Peninsula Golf & Country Club.



What is your favorite manual labor job on the golf course and why?

Spray technician because I would spray on the course all day, while listening to music and sometimes get to leave early. Also, seeing the results of your spray on weeds or on the greens over the coming weeks and months was rewarding.

Greatest piece of advice anyone has given you?

"No matter what you do or where you go, you will always have a place at home." – My dad

If you had to survive on a deserted island for one year, aside from food and water, what five (5) items would you bring with you to occupy your time?

Radio, clock, water filter (LifeStraw), fishing rod, and sleeping bag.

Favorite Beer?

Italian smooth beer called Peroni.

If you had your choice, what would you do in retirement?

Travel and have experiences I never had the time for.

Favorite sports teams?

Real Madrid and Los Angeles Rams.

What's your favorite type of grass to manage as a putting surface and why?

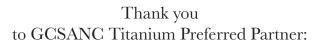
Bentgrass because it is always a challenge to create a perfect putting surface.

If you could have lunch with anyone, past or present, who would it be and why?

Kobe Bryant was a global inspiration, who was able to fully focus on his task while raising a family. I would enjoy to pick his brain and ask how he was able to do it.

What is your favorite golf maintenance-related quote?

"I just cut grass."





www.frontiergolf.com



The Trimax Pegasus has been a positive addition and allowed us to have a piece of equipment that has a very high uptime and provides a really top quality finish. Being able to maintain a consistent mowing schedule not only helps with customer service, but also the happiness and the job satisfaction of the equipment

- MATTHEW BELASCO

operators.

Director of Maintenance Operations & Transportation Pittsburg Unified School District









2024 GCSANC Annual Meeting & Awards Ceremony

Contra Costa Country Club November 18, 2024

Congratulations to the winners of our 2024 GCSANC Annual Awards!

Our GCSANC Award recipients have demonstrated remarkable dedication, hard work, and professionalism, serving as outstanding representatives of both our association and the industry. This year's winners:

SUPERINTENDENT OF THE YEAR Pete Bachman

Pebble Beach Company



PEBBLE BEACH MAINTENANCE

What his peers said about the winner:

"He truly represents the association well all the time. He spends time and resources to always promote both locally and nationally the golf course industry as well as our profession."

"He has served Nor Cal extremely well over the years."

"He deserves to be recognized for his numerous years of service to GCSANC and resurrecting the Assistant Bootcamp."

EXCELLENCE IN TURFGRASS MANAGEMENT – PUBLIC Todd Lyijynen

Callippe Preserve Golf Course



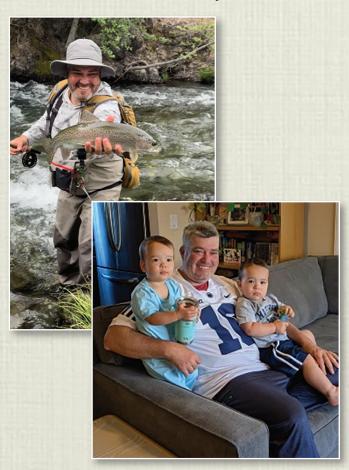


What his peers said about the winner:

"Working for a management company with a limited budget, the golf course is always in pristine condition and is considered one of the best maintained public tracks in the East Bay."

EXCELLENCE IN TURFGRASS MANAGEMENT - PRIVATE Matt Dachowski

Lake Merced Golf Club



What his peers said about the winner:

"He is a very good superintendent, and he executed a great renovation as well as post grow-in success of the last two years."

"After hosting many LPGA events, he has guided the golf course through a major renovation that has placed the course on the list of the top golf clubs in Northern California."

BERT GRAVES AFFILIATE MERIT AWARD Jim Culley

Seed King Enterprises



What his peers said about the winner:

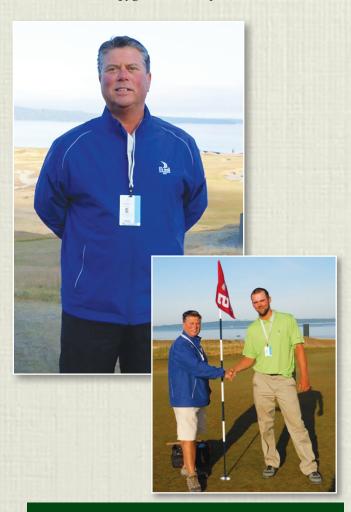
"Many years in the business helping us out and as GCSAA Ambassador and Golf Day in Washington, DC."

"A longtime supporter of GCSANC and consistently attends events."

2024 GCSANC Annual Meeting & Awards Ceremony

GEORGE SANTANA DISTINGUISHED SERVICE AWARD Bob Yeo

Spyglass Hill Golf Course



What his peers said about the winner:

"He has been a superintendent in the area for a very long time and has been a great mentor for many young superintendents and assistants over the years."

"He has always been the guy that knows what to do and when to do it. He also is responsible for grooming many of his AITs and assistants to become Superintendents."

PRESIDENT'S AWARD Jeff Jensen GCSAA



What his peers said about the winner:

"He is a tremendous resource, leader and advocate for golf and superintendents. He leads quietly and humbly but is extremely effective and knowledgeable at what he does and is very dependable."

"He is a huge asset to the association and the superintendent profession, and as solid a guy as there is."



Way beyond fertilizer.



Mark Stutsman

mark.stutsman@simplot.com cell: (775) 453-8083

Akoni Ganir akoni.ganir@simplot.com

akoni.ganir@simpiot.com cell: (831) 915-4524

2024 GCSANC Annual Meeting & Awards Ceremony

Contra Costa Country Club

October 17, 2024















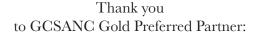








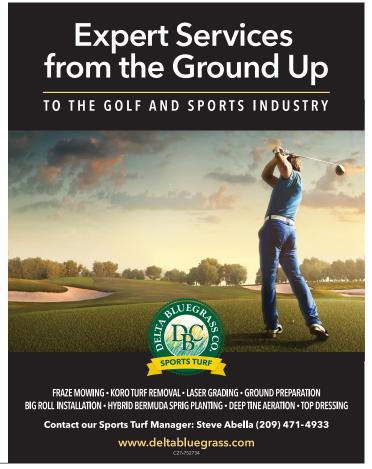






www.syngenta.com

Joe Ballmer: (916) 804-1610





GCSANC appreciates the participation and support of our Preferred Partners.

ELITE



DIAMOND





TITANIUM









GOLD























SILVER













Nutrien

Ag Solutions*























To become a Preferred Partner, please visit https://gcsanc.com/vendor-directory/ or email Marc Connerly at mconnerly@connerlyandassociates.com.

Q & A with Dr. Jim Baird, Turfgrass Specialist

University of California, Riverside

The GCSANC provides financial support annually to the University of California, Riverside (UCR) Turfgrass program. We caught up with Jim to find out his latest research findings in Northern California.

We understand that you are no stranger to Northern California. What attracts you to our end of the state?

Well, the company answer is that there are certain pests, for example Anguina nematodes, that occur nowhere else and, in general, it's impossible to replicate your weather in Riverside. Therefore, we must conduct Northern California research in Northern California. Having said all that, it's no secret that I love Northern California. Nothing against the southern part of the state, but I prefer your weather, wine (pinot noir), beer (Pliny the Elder), and cycling opportunities (mountain, gravel, or road) up north. Santa Rosa is my home away from home. If I retire anywhere in California, it will be in Sonoma County.

What is the most exciting news coming from the UCR Turfgrass program?

I'm ecstatic to report that CoachellaTM (UCR TP6-3) hybrid bermudagrass developed by UCR is now officially licensed to West Coast Turf. This is the first fruit of our labor since resurrecting the breeding program some 12 years ago. Presidio (UCR 17-8) hybrid bermudagrass, a close relative to Coachella, will be released in 2026 or 2027. Both cultivars share the same mother and possibly the same father, and thus share our two most important breeding traits of improved winter color retention and drought resistance. Their differences are subtle and mostly likely will come down to one cultivar performing slightly better in one location vs. another. If you're interested in Coachella now or, perhaps, you're planning for a future renovation or installation, please contact West Coast Turf to test one or both cultivars at your facility. These cultivars are not like the traditional bermudagrass cultivars such as Tifway. They use much less water, maintaining acceptable quality as low as 30-40% of reference evapotranspiration (ETos). It's also important to note that UCR cultivars present and future were developed in California for California and the Southwest. No other



Figure 1. CoachellaTM (UCR TP6-3) hybrid bermudagrass developed by UC Riverside and licensed to West Coast Turf. Coachella possesses a darker bluish-green genetic color with improved winter color retention and drought resistance.

cultivars receive as much research in as many locations throughout our state or region during their development.

Are you developing any other grasses for California?

Well, realizing that most folks in Northern California consider kikuyugrass as a weed, we are trying to improve the species and currently we are going after what I consider low-hanging fruit by trying to develop a new cultivar that produces few to no male flowers, which under normal circumstances is characterized by a sea of white filaments that look like snow cover on a turf stand. All else being equal, a male sterile cultivar would be hands down better than the one and only kikuyugrass cultivar available in California, which is called Whittet. Beyond that, we are still in search of a kinder and gentler kikuyugrass that is less invasive and possesses desirable turf quality with fewer management inputs.

Of greater importance to Northern California and the Southwest in general is our research on evaluating the newer creeping bentgrass cultivars available for putting greens. We have conducted studies at Shadow Creek Golf Course in Las Vegas, the Los Angeles Country Club, Martis Camp Club in Truckee, and Lake Merced Golf Club in Daly City (San Francisco Bay Area). In general, the top five performers (in no order) at all locations have been: Piper, Oakley, Pure Distinction, Pure Eclipse, and 007XL.

Cultivar	Overall
007	5.8 de
007XL	6.9 ab
777	6.4 bc
A1/A4	5.7 e
Barracuda	5.6 e
LMGC	6.4 bc
MacDonald	6.4 bcd
Oakley	6.8 ab
Piper	7.1 a
Piranha	6 cde
PST-0MRN	6.5 abc
Pure Distinction	6.9 ab
Pure Eclipse	6.9 ab
p-Value	0

Table 1. Overall turf quality (1-9, 9 = best)ratings collected during 2023 for creeping bentgrass cultivars established from seed in July 2022 at Lake **Merced Golf Club** (LMGC), Daly City, California. LMGC blend: **Pure Distinction, Pure** Eclipse, 777. Means followed by the same letter in the column are not significantly different.

Speaking of creeping bentgrass in relationship to keeping out Poa invasion, we know you have conducted extensive research with PoaCure herbicide and now you are looking at cumyluron herbicide. What's the latest news?

Obviously, I'm thrilled that PoaCure is finally registered in California. It was a long time coming. While I wasn't the first university researcher to test PoaCure in the U.S., I wasn't that far behind, starting myself in 2010. However, I do proclaim to have conducted more field trials with PoaCure than anyone else in the world. Most of those trials were conducted in California and superintendents who participated do not hesitate to contact me with questions. If you are new to PoaCure or me, please reach out at anytime (cell: 951-333-9052; e-mail: jbaird@ucr.edu). Annual bluegrass is an amazing species with diverse biotypes. PoaCure is also an amazing herbicide, but often its use and efficacy are not a one size fits all prescription. I have tried many things with PoaCure... good, bad, and the other...and I can help superintendents achieve mostly the good while avoiding everything else.

The battle against Poa, especially on greens, requires more than one herbicide. Cumyluron is under development by Marubeni Corporation in Japan, which is the parent company of Helena Chemical. U.S. registration is anticipated in 2026, and the California registration package will be submitted near the same time as the U.S. registration package. Like PoaCure, cumyluron has both pre- and post-activity, but it has stronger pre- than post-activity, whereas PoaCure has stronger postthan pre-activity. Both are root active herbicides and possess greater activity against Poa when applications are made in the fall and spring vs. spring only. Overall, I don't view these as competing herbicides, but rather both are necessary weapons to win the war against Poa. One advantage of cumyluron is that only two applications per year are needed, which makes things easier from the standpoint of cultural practices in relationship to herbicide application. However, if you have a lot of Poa, and everyone has more Poa than they think, PoaCure is the best bet for transitioning from mostly Poa back to mostly or all bentgrass. Besides small plot research conducted throughout Northern California and the Southwest, two golf courses in the Monterey area and one course in the Sacramento area are currently testing cumyluron herbicide on a larger scale.

Continued on Page 22

Q&A with Dr. Jim Baird, Turfgrass Specialist

Trt	Product	Rate (fl oz/1000 ft²)	Timing	Poa Control 04/17/24
1	Control			0.0 c
2	Cumyluron	3.0	Spring (2)	0.0 c
3	Cumyluron	3.0	Fall (2)	36.7 bc
4	Cumyluron	3.0	Spring, Fall	80.0 ab
5	Cumyluron	6.0	Spring (2)	60.0 ab
6	Cumyluron	6.0	Fall (2)	30.0 bc
7	Cumyluron	6.0	Spring, Fall	80.0 ab
8	PoaCure	1.2	Spring (2)	40.0 bc
9	PoaCure	1.2	Fall (2)	60.0 ab
10	PoaCure	1.2	Spring, Fall	95.0 a
11	Cumyluron	3.0	Spring (2)	
11	PoaCure	0.6	Spring (2)	40.0 bc
12	Cumyluron	3.0	Fall (2)	
12	PoaCure	0.6	Fall (2)	100.0 a
	p-value			0.002

Means followed by the same level in the column are not significantly different.

Table 2. Effects of PoaCure and cumyluron herbicides and their combination applied two times in either spring, fall, or spring and fall on control of annual bluegrass (0-100%) in a creeping bentgrass putting green at North Ridge Country Club, Fair Oaks (Sacramento area), California. Herbicide applications were initiated in April/May or October/November 2022 and repeated in 2023. Sequential applications in the same season were applied approximately one month later.

Not to forget about those who manage Poa greens, what's happening along that front?

For those who manage Poa greens in the city or along the Northern coast, the pacific shoot-gall nematode (Anguina pacificae) remains a considerable foe. We are proud of the fact that we played a major role in the development of Indemnify and Divanem nematicides for Anguina nematodes in Northern California. Indemnify has become the go-to product against this nematode pest, with usually two but sometimes four applications needed per calendar year depending on disease pressure. Our research also demonstrated that higher (spot treatment) rates and more frequent (bi-weekly) applications of Divanem are most effective against this pest. Recently, our research conducted over multiple years at TPC Harding Park has identified a new product with efficacy against the pacific shoot-gall nematode. TYMIRIUM® technology is the trademark of the new active ingredient cyclobutrifluram from Syngenta Crop Protection that obtained its first registrations

in 2022 throughout the world. It is both a nematicide and fungicide for seed and soil application in all major crops with an excellent performance against many economically important plant-parasitic nematodes and against soil diseases, specifically Fusarium and early foliar diseases. Unfortunately, from the standpoint of potential pesticide resistance, Tymirium shares the same mode of action as Indemnify. Nevertheless, its activity against Anguina is equally as strong and the same or more could be said for its activity against most other plant parasitic nematodes. Registration of Tymirium in California is pending.

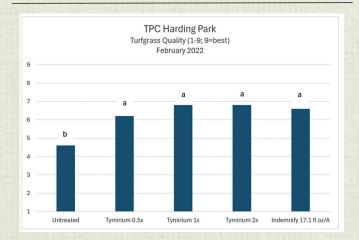


Figure 2. Annual bluegrass turfgrass quality (1-9, 9 = best) in February 2022 following two applications of nematicides in October and November 2021 for pacific-shoot gall disease. TPC Harding Park, San Francisco. Means with the same letter over a bar were not significantly different (p=0.05).

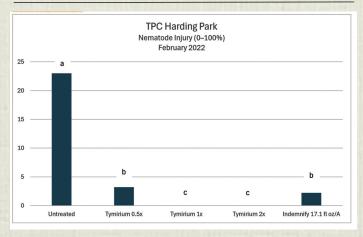
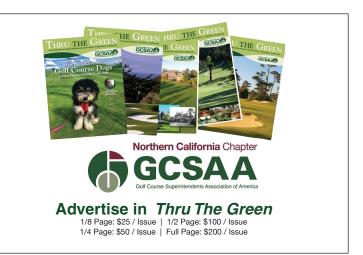


Figure 3. Pacific shoot-gall injury (0-100%) on annual bluegrass turf in February 2022 following two applications of nematicides in October and November 2021 for pacific-shoot gall disease. TPC Harding Park, San Francisco. Means with the same letter over a bar were not significantly different (p=0.05).

Thank you to GCSANC Gold Preferred Partner:



www.earthsculpturesinc.com



Thank you to GCSANC Silver Preferred Partner:



www.davey.com/davey-resource-group

Thank you to GCSANC Gold Preferred Partner:



www.waste2water.com

Thank you to GCSANC Gold Preferred Partner:



www.ststurf.com

2024 GCSANC Holiday Meeting

Monterey Plaza Hotel & Spa

December 6, 2024





New Board Members Joining GCSANC in 2025

In addition to Joe Budinich taking the reins as incoming 2025 GCSANC President (see more about Joe in this newsletter), the Board is pleased to welcome new directors Michael Knoll and Patrick Tuttle, as well as Ryan O'Connor as Affiliate Director. Read on to learn more about your incoming Board members:

MICHAEL KNOLL

A native of New Orleans, Louisiana, Michael Knoll has built an impressive career in golf course management, combining a deep passion for the sport with exceptional leadership and expertise. After earning his undergraduate degree from Spring Hill College in Mobile, Alabama,



Michael spent a decade in inventory management in San Francisco before discovering his true calling in golf course maintenance.

Pursuing this passion, he obtained a Turf Management Certificate from Rutgers University and began his journey at Pebble Beach Resorts as an intern in 2016. Over the years, Michael has honed his skills, gained extensive knowledge, and demonstrated outstanding leadership, advancing steadily within the organization. His contributions were instrumental in the success of three USGA Championships at Pebble Beach, most notably the 2023 U.S. Women's Open, where his efforts earned national media recognition.

In October 2023, Michael was appointed Golf Course Superintendent at Del Monte Golf Course, where he is dedicated to creating an exceptional experience for golfers of all skill levels. His commitment to excellence and passion for the game are evident in every aspect of his work.

Married for 15 years, Michael enjoys traveling and golfing in his free time, continuing to find inspiration in the sport he loves.

PATRICK TUTTLE

Patrick Tuttle was born and raised in San Jose, California. He was introduced to the game of golf at an early age where he played for the San Jose Country Club Junior Team. Patrick spent his early



career working in the tech industry pursuing a career in IT management. After graduating from UC Santa Barbara in 2016 with a degree in sports management, he was lucky enough to work for the Golden State Warriors and experience two championship seasons in 2016-2017 and 2017-2018. Shortly after, he decided to pursue his dream job managing turf at a golf course. In 2018, Patrick landed an Assistant in Training position at Palo Alto Hills Golf and Country Club where he spent two and a half years training under Andrew Morgan. During this time, Patrick was fortunate to experience an extensive renovation of the golf course. Patrick then moved on to San Francisco Golf Club, where he spent two years as an Assistant Superintendent. He then spent the next year and a half at Menlo Country Club and Boulder Ridge Golf Club. In March of 2024, Patrick was hired as the Golf Course Superintendent at Baylands Golf Links. Patrick looks forward to a long career in the golf course management industry.

During his free time, Patrick enjoys playing golf and spending time with his beautiful wife, Lauren, and their two children: Chloe Marie (3 ½ years) and Jacob (3 months).

RYAN O'CONNOR

I have been working in the turf industry for three years now and I have enjoyed every second of it. I am grateful to be a part of such a tightknit community whom truly care about each other. I am very fortunate to have found a career in the turf industry.



In my free time, I enjoy taking my dog, Kona, to the park and playing pickup ice hockey in the East Bay.



Thank you to GCSANC Titanium Preferred Partner:



www.sunbeltrentals.com





VEHICLES DESIGNED TO WORK AS HARD AS YOU DO.



WORKMAN SERIES

Utility Vehicle GTX, MDX, UTX, HDX Lithium

VISTA SERIES

People Mover 4, 6, & 8 Seats Lithium



www.turfstar.com



MAXIMIZE YOUR TIME WITH AUTONOMOUS.



MOWER

Mow up to 6 Acres Mowing Width: 40.7" Cut Height: 0.8"-3.9"

RANGE PICKER

Picks 1200+ Balls/Day Cover up to 6 Acres Collection Width: 40.7"

www.turfstar.com



2024 Electric Equipment Expo

Dublin Heritage Park & Museums

October 17, 2024





Thank you to GCSANC Gold Preferred Partner:



Life is Short. Sod it!

www.westcoastturf.com

Greg Dunn: (209) 394-4904 Will Barragan: (209) 276-3324





SAVE TIME & MONEY!

JOHN DEERE GPS SPRAYER

John Deere's PrecisionSprayer technology will save you money by only applying chemicals where you need them.

Learn more about your ROI below!

VALUE OF A GPS SPRAYER

- REDUCES CHEMICAL USAGE, RESULTING IN 25 35% SAVINGS.
- REDUCES OPERATOR INPUT, RESULTING IN 50% LESS WORK HAVING TO BE MANUALLY COMPLETED.
- CONSISTENT APPLICATION.
- INCREASED ACCURACY.
- ENHANCED DOCUMENTATION.
- MANUFACTURED & SUPPORTED BY JOHN DEERE, OFFERING OVER 20 YEARS OF PRECISION TECHNOLOGY & GPS EXPERIENCE.
- \bullet REDUCES TIME IN THE FIELD, RESULTING IN 3 6% LESS APPLICATION TIME.
- LABOR SAVINGS.

FINANCING

MONTHLY
LEASE PAYMENT

SINGLE UNIT SAVINGS

25%(4 YEAR PAYRAC)

(4 YEAR PAYBACK)

MULTI-UNIT SAVINGS

35%

(3 YEAR PAYBACK)

FOR MORE INFORMATION: