Specticle™ herbicide is here. Bringing you the new standard in pre-emergent grass and broadleaf weed control.

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conditions will continue to occur in Florida, favorable for sustained warm season turfgrass growth. Regardless of whether winter overseeding of bermudagrass putting greens will be performed, it is extremely important that fertilization and other management practices continue to be geared to promote balanced growth, carbohydrate production, and storage.

If the health of the bermudagrass has been compromised going into the winter, naturally there is increased potential for problems in the spring when the transition out of the overseeding cover begins to occur. Thus, along with making sure that sufficient levels of available nutrients – especially potassium – is maintained, sufficient leaf surface area must be present to support balanced, healthy growth.

Maintaining very low heights of cut is even more of a concern at this point because of reduced sunlight conditions and a progressively declining day length. Unfortunately, however, in another few weeks, seasonal golfers will begin returning to Florida, and the pressure for fast to very fast putting speeds will start ramping up. However, if compromises are made now, consequences can be experienced later on during the primary play season.

As an additional comment with respect to sunlight, bermudagrass putting greens have no shade tolerance. A minimum of eight hours of direct sunlight is needed with close-cut bermudagrass putting greens. This past winter the negative impact of shade problems was further increased by the adverse and abnormal weather pattern that occurred. Hopefully, needed vegetation thinning and removal work has already been completed, but if this is not the case, it is certainly not too late to get out the chainsaws, and the turf will still benefit from increased sunlight and air circulation.

Finally, pre-emergent herbicide treatments for winter annual weed control, and especially Poa annua, is a necessary and important consideration for Florida golf courses at this time, and already under way at many courses in North Florida. This past winter there was a bumper crop of Poa annua on many golf courses, and besides being a very prolific seed producer, the seed can remain viable in the soil for up to six years.

A free recording of a previous webcast by Dr. Bert McCarty at Clemson University provides an excellent review of Poa annua management strategies. This webcast, as well as a Bermudagrass Disease Update, can easily be accessed and reviewed for free by going to https://gsportal.usga.org/webcast/default.aspx.

If you would like more information about a TAS (Turf Advisory Service) visit, please do not hesitate to contact our office at 772-546-2620, or by emailing Todd Lowe, tlowe@usga.org or John Foy, jfoy@usga.org.
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Econem Dramatically Reduced Sting Nematode Counts
2009 Field Trial, Palm Beach Gardens, FL

![Graph showing nematode counts by month with untreated and Econem treated data.]
The Tale of The Pearl

By Shelly Foy

Back in 1994, the directors of the Treasure Coast GCSA often met after work to grab a bite, share a cold one, and talk about association business. That year the guys were stirred up because Paul Harvey had just finished a broadcast that was not very flattering to golf courses. Tim Cann, president at the time, had previously been involved with the Suncoast Scramble and remembered how much fun they had planning and hosting the tournament. He suggested the TCGCSA host a similar fundraising event. Collectively, the TCGCSA board — Cann, Craig Weyandt, Dick Gray, Bill Lanthier, David Cheesman, Roger Welker, David Oliver, Jack Orr, Steve Sill, Chris Leahy, Brad Fick, and Tom Benefield — decided it was time for golf course superintendents to get serious about letting people know the truth about golf and the environment. In Gray’s words, they needed some “green ink.” They proposed a golf tournament to raise funds for teaching environmental awareness and showing that golf courses are good for the environment.

The first event, dubbed the “First Annual Wildlife Charity Golf Tournament,” was held at Loblolly Pines GC in Hobe Sound May 21, 1994. The flyer read, “So often our industry is criticized for its perceived negative impact on the environment. This is an excellent opportunity for us to make a positive impact.”

The first tournament raised more than $10,000 for the Treasure Coast Wildlife Hospital.

Needing a catchier name, Gray proposed “Blue Pearl,” remembering a NASA photo where the Earth looked like a pearl in a sea of blue. So in 1995, the Blue Pearl was born.

In its 16-year history, the Blue Pearl has raised more than a quarter-million dollars. The goal was, “By funding environmental and ecological awareness programs in grade schools throughout the Treasure Coast, we can inform and educate not only students, but teachers, administrators, and parents. We can foster and nurture an age of children who grow up knowing the benefits of a healthy environment and the benefits golf courses offer to people, wildlife,
and the environment."
Below is a partial list of environmental programs and projects the Blue Pearl has supported over the years:
• $20,000 to help Pelican Island Elementary School in Vero Beach purchase adjacent lots to protect as Scrub Jay habitat
• $8,500 to sponsor four years of the Indian River Lagoon Envirothon
• Over $34,000 since 1996 for the South Fork High School turf program. South Fork High School has a three-hole golf course on campus. Students are encouraged to work hard to earn acceptance into the golf program. Several South Fork students have graduated from the turf program and are now working in the golf industry.
• Over $5,000 to Audubon International as grant money for schools across the country looking for funding for environmental projects
Many individual schools have received grants for environmental programs, including:
• Hobe Sound Elementary School built a native plant nursery/slat house, designed and installed butterfly and hummingbird gardens, provided school-wide subscriptions for National Geographic magazine, and purchased environmentally themed books for the school library.
• Hidden Oaks Elementary constructed an outdoor classroom
• Crystal Lake Elementary built a nature trail
• Palm City Elementary purchased 30 sets of computer programs on oceans and rainforests, and created a landscape habitat area
• Sea Wind Elementary School created a butterfly garden
• Stuart Middle School installed a butterfly garden and purchased a dolphin topiary
• Citrus Elementary School planted vegetable gardens and a developed a Tree Program
• Martin County School District Plant Nursery purchased native plant liners to encourage use of native plants on school grounds
In July, the TCGCSA donated $12,500 to the Hobe Sound Nature Center which lost its building to hurricanes in 2004, and in August, new exhibits were opened to the public to promote environmental awareness for people of all ages. In addition to on- and off-site environmental programs that reach more than 60,000 students a year, there are many programs for the public, including turtle walks, summer camps, evening forums, scrub habitat tours, and more.
Originally intended solely for environmental awareness, the Blue Pearl has diversified recently due to the increasing need for financial support for disaster relief. Donations have included money for 9/11 victims, support for superintendents affected by Hurricane Katrina, as well as other benevolent funding needs. They also came to the aid of the Challenger School in Stuart with a $5,000 donation to help build a handicapped-accessible playground.
I have been fortunate to have been involved with the Blue Pearl, almost from its beginning. I have seen first-hand how generous the TCGCSA and the Blue Pearl sponsors have been over the years. Craig Weyandt, superintendent at the Moorings Country Club in Vero Beach recently said, “I can still hear the passion in Dick’s voice when we came up with the concept for the Blue Pearl. He said that it was up to each of us to polish the pearl, take care of it. After all, we are only tenants here, visitors, guests. It is not ours to abuse.”
Since the Blue Pearl’s beginning, there have been eight presidents of the TCGCSA and each one has taken on the responsibility of “polishing the pearl”. Cann, now in his second term as president, said, “Even though boards have changed over the last 16 years, the original message of the Blue Pearl has stayed alive. This year’s contribution to the Hobe Sound Nature Center is a perfect example of what the Blue Pearl fundraising is intended for. We are especially thankful to every participant, vendor, and volunteer that continues to be generous year after year even in these tough financial times.”
Recently Gray reminded me that the original goal was to have a String of Pearls across the country. “Can you imagine what we could do as an industry if every state hosted a Blue Pearl and the collective money raised went to fund environmental awareness and to also tell all the ways golf courses benefit the community and the environment? Man, wouldn’t that be sweet?”
A String of Pearls across the country is doable. Florida could challenge other states if every chapter would host a Blue Pearl in 2011, or at least support a statewide Blue Pearl fund. Eleven FGCSA Chapters, eleven pearls on the string. Who’s up for a challenge?
Audubon International certifies golf courses enrolled in the Audubon Cooperative Sanctuary Program for Golf Courses and the Audubon Signature Programs that demonstrate their commitment to the environment. These eco-friendly courses meet required standards for protecting water quality, conserving natural resources, and providing wildlife habitats. More information about the Audubon International programs can be found at www.auduboninternal.org. The following Florida courses have achieved certification as of July 12, 2010.

CERTIFIED GOLD AUDUBON SIGNATURE SANCTUARIES

- The Old Collier Golf Club, Naples
- WCI-Hammock Bay Golf & Country Club, Marco
- WCI-Old Palm, Palm Beach Gardens
- WCI-Pelican Preserve, Ft. Myers
- WCI-Raptor Bay Golf Club, Bonita Springs
- WCI-Tuscany Reserve Golf Club, Naples
- WCI-Venetian Golf & River Club, Venice
- Washington Reservation & Golf Learning Center, Cleveland

CERTIFIED SILVER AUDUBON SIGNATURE SANCTUARIES

- The Club at Mediterra, Naples
- Eagle Creek, Orlando
- Eagle Ridge Golf Club, Summerfield: Masters & Memorial Courses
- Juliette Falls, Dunnellon
- Old Corkscrew Golf Club, Estero
- St. James Bay Golf Course, Carrabelle
- Sarasota National Golf Club, Venice
- Shark’s Tooth Golf Club, Panama City
- The Aerie Golf Course, Naples
- Villages of Marion, The Villages: Nancy Lopez
- Legacy Country Club, Amberwood Nine, Briarwood
- Nine, Oakleigh Nine, Walnut Grove Nine
- Villages of Sumter Phase I (63 holes):
  - The Villages Belevedere Golf Course (Churchill Downs & Pimlico), Sunset Pointe Golf Club (Heron & Pelican), Palmer Legends Country Club (Cherry Hill, Laurel Valley & Riley Grove)
- Villages of Sumter Phase II:
- The Villages Cane Garden & Sunset Point
- Villages of Sumter Phase III:
- The Villages Key Largo (Bogart and Bacall)
- Villages of Sumter Phase IV, The Villages
- WCI - Lost Key Golf Club, Perdido Key
CERTIFIED BRONZE AUDUBON SIGNATURE SANCTUARIES

Bonita Bay Club East, Naples
Collier’s Reserve, Naples

Indian River Club, Vero Beach
Legacy Club at Alaquas Lakes, Longwood
PGA Golf Club, Port St. Lucie

The Talon at TwinEagles, Naples
West Bay Golf Club, Estero

CERTIFIED AUDUBON COOPERATIVE SANCTUARIES

Aquarina Country Club, Melbourne Beach
Arlington Ridge Golf Club, Leesburg
Audubon Country Club, Naples

Bent Creek Golf Course, Jacksonville
(aka Golf Club of Jacksonville)
Bonita Bay Club, Bonita Springs: Bay Island Course, Creekside Course, Marsh Course
Black Diamond Ranch, Lecanto
Broken Sound Club, Boca Raton
Brooksville Country Club at Majestic Oaks, Brooksville
Camp Creek Golf Club, Palm City Beach
Card Sound Golf Club, Key Largo
Chi Chi Rodriguez Golf Club, Clearwater
Copperleaf Golf Club, Bonita Spring
Country Club of Florida, Village of Golf
Country Club of Miami, Miami
Country Club of Naples, Naples
Crown Colony Golf & Country Club, Fort Myers
Disney’s Oak Trail Golf Course, Lake Buena Vista
Doral Golf Resort and Spa, Miami
Eglinton Golf Club, Niceville
Faldo Golf Institute by Marriott, Orlando
Floridian, Stuart
FoxFire Golf and Country Club, Naples
Gainesville Country Club, Gainesville
Golf Club of Jacksonville, Jacksonville
Grand Harbor Club, Vero Beach
Grande Pines Golf Club, Orlando
Hammock Dunes Club, Palm Coast
Harbour Ridge Yacht & Country Club, Palm City
Harmony Golf Preserve, Harmony
Hawk’s Landing Golf Course at Marriott’s Orlando World Center, Orlando
Hawk’s Nest Golf Club, Vero Beach
High Ridge Golf Course, Lantana
Hole-in-the-Wall Golf Club, Naples
IGM – Arrowhead Golf Course, Naples
IGM – The Habitat Golf Course, Malabar
IGM – Sandridge Golf Club, Vero Beach
IGM – Spessard Holland Golf Club, Melbourne Beach
IGM – The Savannahs, Merritt Island
Interlachen Country Club, Winter Park
Ironwood Municipal Golf Course, Gainesville
Isleworth Golf & Country Club, Wyndemere
John’s Island Club – West Course, Vero Beach
Lake Buena Vista Club, Lake Buena Vista
Lakewood Ranch Golf and Country Club, Bradenton
Laurel Oak Country Club, Sarasota
Lemon Bay Golf Club, Englewood
The Links at Boynton Beach, Boynton Beach
Loblolly Pines Golf Club, Hobe Sound
Magnolia Golf Course, Lake Buena Vista
Maple Leaf Golf and Country Club, Port Charlotte
Mizner Country Club, Delray Beach
The Moorings Country Club, Naples
Naples Lakes Country Club, Naples
Okeechobee Golf Course, West Palm Beach
Old Marsh Golf Club, Palm Beach Gardens
Olde Florida Golf Club, Naples
Orchid Island Golf & Beach Club, Orchid
Osprey Ridge Golf Course, Lake Buena Vista
Palencia Golf Club, St. Augustine
Palm Golf Course, Lake Buena Vista
Palmetto Golf Course, Miami
Pelican Marsh Golf Club, Naples
Pelican’s Nest Golf Club, Bonita Springs
Pelican Sound Golf & River Club, Estero
Plantation Preserve Golf Course & Club, Plantation
Quail Ridge Country Club, Boynton Beach
Regatta Bay Golf and Country Club, Destin
Renaissance Vinoy Resort and Golf Club, St. Petersburg
The Rookery at Marco Island, Marco Island
Royal Poinciana Golf Club, Naples
The Sanctuary Golf Club, Sanibel Island
Shadow Wood Country Club, Bonita Springs
Shadow Wood Preserve Country Club, Fort Myers
Southwinds Golf Course, Boca Raton
Southwood Golf Club, Tallahassee
Spring Run Golf Club, Bonita Springs
The St. Andrews Club, Delray Beach
St. Johns Golf and Country Club, St. Augustine
Stonebridge Country Club, Naples
Tampa Palms Golf & Country Club, Tampa
The Ritz-Carlton Golf Club & Spa - Jupiter, Jupiter
The Ritz-Carlton Golf Club at Grande Lakes, Orlando

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FALL 2010
GOLF BIRDIES
Scoring Birdies on the Naples Beach Club Golf Course

Even though I personally scored 18 birdies and a double eagle during the GC Horn Endowment Tournament at the 2010 Poa Annua Classic, our team’s final score was only minus-1 and not in the winners’ circle. I guess logging 18 different species in the middle of the day isn’t too bad. However, I was told I could not count the two duck hooks I also had during the round.

Assistant Superintendent Kristen Conover told me before the round to look out for bald eagles around the lake on No 7. Sure enough there were two in a tree near the 6th tee as we started our round on No. 8. Later in the day, as we played No. 6, there was the eagle again perched on a limb over the tee with a fish in its talons. As I was reaching for my camera, our lovely state bird – the Mockingbird – dive-bombed the eagle and it flew off, dropping the fish. The rest of the sightings for the day follow below.

American Crow
Anhinga
Bald Eagle
Collared Dove
Killdeer
Mockingbird
Mottled duck
Mourning Dove
Muscovy ducks with chicks
Osprey
Purple Martin
Red Bellied Woodpecker
Rose ringed Parakeet
Sea gulls
Snowy egret
Starlings
Swallowtail Kite
White Ibis (adult and juveniles)

The next day, playing in the Poa Scramble the eagle was sighted again, this time on the 5th hole near the lake eating another fish. The eagle action on both Friday and Saturday prompted me to share other raptor encounters on FGCSA member courses. See the raptor photos in the Stewardship section of this issue. Obviously golf courses – even in urban settings – are quite compatible as eagle habitat. See the photos at left I call Raptor Rapture. By Joel Jackson.
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Neo-Tec S.O. is an emulsifiable concentrate ready to go in the spray tank without any special additives, and tank mixes very well with most soil focused applications. Neo-Tec S.O. has shown significant results when tested against some of the industry standards for treatment of nematodes in turfgrass. It is naturally derived and a minimal risk pesticide. Effective, safe and easy to use.

For best results applications should begin in early March.

Ask about the Brandt Nematode Kit. The kit is part of a program designed for both nematode control and stimulating root growth. Using Brandt's Neo-Tec S.O. in combination with nutritional and biostimulant products, provide enhanced total plant health. Not only will this program aid in controlling nematodes, it will also help establish new roots for healthy turf.
This issue marks the farewell to Daniel as the official photographer of the Florida Green after 29 years of service to the magazine.

In 1996, David Bailey, who was also an editor and photographer for this magazine, wrote this wonderful tribute and background history of Daniel the man, the professional and artist. I couldn’t say it any better. Nothing got me fired up more for a cover assignment. We are indeed fortunate to have had such a fine talent working for the Florida Green.

Thank you, Daniel.

The hallmark of The Florida Green for years has been the cover photography. How can a small state magazine have the best covers in the golf business?

The source of this success is Daniel Zelazek. He is a professional industrial photographer for Pratt and Whitney, located in West Palm Beach. His assignments include jet engines, space shuttle fuel pumps and other high-tech devices. For several years he has been working exclusively in digital photography. He is now using a camera valued at $30,000.

Weekend golf photo sessions reveal the true Daniel Zelazek. His love for the outdoors and golf was established in his youth, as he followed his early sports heroes — Sam Snead, Gary Player and Ben Hogan. When his family moved from Connecticut to North Palm Beach in the mid 1960s, Zelazek started caddying at PGA National Golf Club. He enjoyed the courses so much he worked on the maintenance staff there for six summers during high school and college.

Zelazek and Fred Klauk were high school golf teammates and college roommates. Upon graduation from the University of Florida, he took six months to travel the United States and determined photography would be his future career. Zelazek then attended the famous Brooks Institute of Photography in Santa Barbara, Cal. Influenced by his exposure to the American West landscape, he admired the art of Brett Weston and Ansel Adams. It was only natural that Zelazek’s early efforts were black-and-white landscapes. His black-and-white prints have appeared in gallery and university museums from coast to coast and in Europe, winning numerous awards.

After three years in the West, Zelazek returned to Florida for his current position. In 1981, after years of career commitment and not playing golf at all, the opportunity opened for a new cover photographer. Zelazek said, “This enabled me to return to golf, enjoy the sport and start playing again. It has always been a pleasure working with the superintendents.” Zelazek is an extreme perfectionist on any project in which he gets involved. The cover photography quality is a direct reflection of his lifelong commitment to excellence.

Using only large-format equipment, the 5x7-inch sheet film supplies the detail Zelazek demanded for a two-page cover, which the Florida Green used until recently.

So always save your The Florida Green magazines. Some day the covers will be collectors’ items!

Photographic artist Daniel Zelazek with his trusty 1979 custom made 5 x 7 Deardorff Wooden View Camera. Photo by Joel Jackson.

The Florida Green after 29 years of service to Daniel as the official photographer for this magazine, who was also an editor and photographer for this magazine. He is a professional industrial photographer for Pratt and Whitney, located in West Palm Beach. His assignments include jet engines, space shuttle fuel pumps and other high-tech devices. For several years he has been working exclusively in digital photography. He is now using a camera valued at $30,000.