GCSAA Environmental Award Goes to the USGA

The United States Golf Association has been selected to receive the 1996 President's Award for Environmental Leadership from the Golf Course Superintendents Association of America.

he recipient is chosen by the GC-SAA board of directors based on exceptional environmental contributions to the game of golf — contributions that further exemplify the golf course superintendent's image as steward of the land.

"With the serious challenges facing the game today, the entire industry is indebted to the United States Golf Association for its commitment to producing hard data regarding the environmental impact of golf and golf course manageCreated in 1991, the President's Award for Environmental Leadership has been presented:

- in 1991 to Cape Cod Study Participants, Bass River Country Club, Eastward Ho! Country Club, Falmouth Country Club and Hyannisport Club
- in 1993 to Audubon Cooperative Sanctuary Program Partners, the Audubon Society of New York State and the United States Golf Association
- in 1995 to William Timothy Hiers, CGCS, Collier's Reserve in Naples.

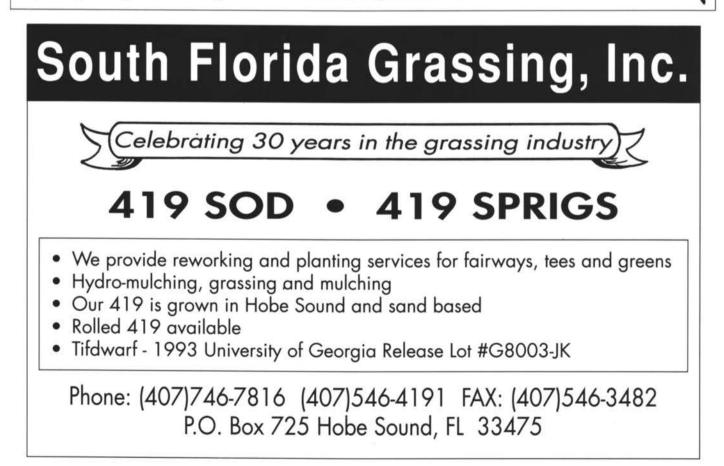
ment practices," said GCSAA President Gary T. Grigg, CGCS, Royal Poinciana Golf Club, Naples.

"We're delighted the GCSAA has taken this opportunity to acknowledge the USGA's consistent efforts to promote sound environmental stewardship," said Thomas W. Chisholm, Chairman of the USGA Green Section Committee. "It's always gratifying to have the respect of your peers in any industry, and golf is no exception."

The award was be presented at the

Environmental General Session held at GCSAA's 67th International Golf Course Conference and Show in Orlando.

In addition to conducting 13 national championships each year, the USGA funds turfgrass and environmental research; provides course rating and handicap systems; tests golf equipment for conformity to the Rules; preserves the game's history; and, in cooperation with the Royal & Ancient Golf Club of St. Andrews, Scotland, writes and interprets the Rules of Golf.





Insect control programs are necessary so that the turf on the left doesn't get to look like the area on the right (mole cricket and armadillo damage). Photos by Joel Jackson.

Insect Control and Top Dressing Programs

he hardest winter of the 1990s is over and it's time turn our attention to growing our warm season bermudagrasses. It only took a few abnormally warm days in February to get the overwintering adult mole crickets to come to the surface and start tunneling, and the armadillos weren't far behind rooting and digging for them.

We're all familiar with the routine: Early Spring - treat for the out-of-control damaging adults; Late Spring - apply broad applications of control products to suppress new nymphs; Summer - spot treat persistent "hot spots" with baits and sprays; Fall - hope for an early cool season!

There is always a lot of variability with success at each stage based on soil temperatures and ph, rainfall and proper timing of control applications.

The development of a new product, CHIPCO CHOICE, may herald a new breakthrough in mole cricket control.

The first Federal Registration is expected during the first quarter of 1996 and will be for golf courses only. The product will be approved for "slit applications" only. Based on trial results, Rhone-Poulenc believes one treatment should provide mole cricket protection for up to six months.

Details of Phone-Poulenc's new *Insect Control System* will be unveiled at that time. Meanwhile, here are a few comments from folks involved in the testing of the product:

Tom Alex, Director of Golf Course Maintenance, Grand Cypress Golf Club. "With CHIPCO CHOICE, we see a clear line of delineation between our treated and untreated plots.

"Our crickets in the untreated plots come right up to the edge of the treated area, and they won't go into that treated area whatsoever. They go right up to the line and absolutely stop. Anything within the treated area — 100 percent clean. With the CHIPCO CHOICE we have a 365-day window. That makes it very flexible, and we can schedule it and get it down with minimal or no disruption to our guests at all."

Pat Cobb, Extension Entomologist and Professor, Auburn University. "I've worked with CHIPCO CHOICE for about five years. Just to show you how it works, in one of our trials we had 36 inches of rain in July. That was followed by an extreme two weeks of 90-degree-plus temperatures, and by the end of October, no retreatment was necessary.

"I'd say that was a pretty rigorous test of CHOICE. We do see a reduction of mole cricket damage with other products if they are well timed. The difference is, with CHOICE the window of opportunity is so much greater. In our tests, one application gave us control throughout the spring and summer — season-long control."

Leon Stacey, Golf Course Consultant and Research Entomologist. "I have looked at insecticides for mole cricket control for about 18 years, and CHIPCO CHOICE is without question the most consistently effective product I've ever seen. "We did test plots on greens, in nonirrigated roughs, on push up tees... in just about any conditions you can imagine. What we have seen is that the product works well in a variety of different soil types and conditions."

Scott Bell, Ron MIller, Kim Shine and Mike Hamilton were among other Florida superintendents involved in the E.U.P. testing. With these ringing testimonials, we will all anxiously await the arrival of CHIPCO CHOICE to the market place so we can try it for ourselves.

In the meantime, here are some current insect control strategies that some of our peers are using. Matt Taylor of Collier's Reserve sent an excellent IPMbased article and seven more superintendents participated in a fact-sharing questionnaire.



The Forest Country Club uses a Vicon spreader to accomplish their top dressing program. Photo by Rick Tatum.



74

Table 1 - Insect Control Programs

Name	Mole Crickets	Worms	Grubs	Fire Ants
Buck Bunkner, CGCS Isleworth CC	Late February to early March treat all "hot spots" with Talstar or Dursban Bait. May 20th - Slit inject Dursban 2-Kote on back nine June 3rd - apply Fertilizer with Oftanol on front nine October - apply parasitic nematodes wall to wall Treat persistent "hot spots" with Molasses and Orthene or Gamma Mean.	Treat as needed with Orthene or Dursban 4E	New problem for us. Merit looks promising.	Apply Award Fire Ant Bait in October and March
Tim Cann, CGCS Harbour Ridge Y&CC	#1 problem pest. Curative treatments during course renovation closings. Initial treatment wall to wall in May and June. Oftanol 2L @ 1 gal/Acre. Follow up til Fall for "hot spots." Orthene (5lbs/Acre) plus Coax (64 oz/Acre.) Not happy with results. A reduction, but not satisified	Can be severe on steep bunker faces. Curative applications as needed. Sevin (7-10 lbs/Acre) or Orthene (3 lbs/Acre). Good results.	Not a bad problem	Severe. Mounds flagged. Golfers helped. Spot treat with Amdro Bait. Some success. Last fall blanket treatment with Award. Better control. Fewer mounds
Darren Davis, CGCS Olde Florida GC	Individual burrows injected with Triumph on greens, tees and approaches and on fairways with Dursban Pro. Preventive only. If adult activity in an area becomes excessive, a soap flush is done for nymphs. Over the top application of Dursban Pro watered in. Record these areas in IPM file.	Sod web worms. Spot treat. Orthene or Dursban. Preventive only.	None	Preventive only. Treat individual mounds w/Triumph. Apply Award around clubhouse.
Wayne Kappauf, CGCS Island CC	Soap flushes to indicate nymph activity. Early May. Wall to wall apply either Oftanol, Talstar, Poly-coated Dursban. Mid-summer. Orthene on "hot spots." Late summer & early fall. Apply .5% Dursban bait as needed. Late winter. Apply parasitic nematodes.	At first sign of infestation, greens & tees spray Talstar, Orthene, Dursban 50W or Pageant. Fairways and roughs are treated only if damage exceeds acceptable levels.	Most grubs are controlled with the mole cricket treatments	Award applied spring & fall at 2.5 lbs/Acre.
Mike Mongoven, CGCS Ft. Myers CC/Eastwood	I have used Oftanol sparged on fertilizer in even- numbered years. We will be applying this material in May. We have used other granular materials: Mocap, Turcam, Crusade in fairways. For hot spots we use Orthene TTO or Orthene TTO with Gamma-Mean.	Our biggest problem is all army worms. We treat only greens and bunker faces. We use Orthene TTO, Dursban 50W and Proxol 80.	No success treating grubs. I hope to get some ideas from this article.	Our control has improved by using Award. We apply 2 lbs/Acre in April and Sept. Applied to dry grass. Irrigation limited for 2 days.
Joe Ondo, CGCS Winter Pines GC	Early spring - spot treat adult activity with Orthene or Talstar. Aerify greens, tees, fairways and roughs before full moon in June. Then apply fertilizer with Oftanol to greens. Alternate Orthene and bait during summer and fall on "hot spots." Spot treat Mocap on new hatches where needed.	The Oftanol treatment controls the worms till the rainy season. Then greens and tees are treated as needed with Orthene, Dursban, or Scott's Turplex. A preventive application may be applied before a tournament during peak insect activity. We have also applied Turcam for worm control	Oftanol controls most of them. Last year some fairways and slopes aerified & granular Sevin applied. We have used Turcam if going after a wide variety of insects in an area.	Not a big problem for us. Landscape person spot treats with Orthene at label rate as he goes around during the day.
Mark Richard, CGCS Ft Walton Beach GC	1995 was quite severe. Usually treat curative. The mainstay of treatment has been Orthene at label rate with .5 lb of Sevin per 200 gal. tank. Results good. Only 2-3 weeks. Triumph has worked well on greens at label rates. Turcam & Talstar granular was used on fairways at label rates. Control fiar to poor. Mocap is used on small hot spots. Good results.	Not much of a problem recently. Curative treatments Orthene or Proxol as needed. So much effort goes into mole crickets that worms didn't seem to be a problem anymore.	Have never treated for grubs	Moderate infestation. Treat with Drione insecticide as needed. Results positive.

THE FLORIDA GREEN

Table 2 - Topdressing Programs

Name	Planning	Top Dressing Material	Frequency and Rate	Equipment	Benefits
Buck Buckner, CGCS Isleworth CC Orlando	A tentative schedule is made up a year in advance. Updates mostly via meetings with Head Pro. Golfers informed through newsletter and postings in Pro Shop or on Carts	Florida Potting Soil Mix No. 4	Warm Season - every 3 weeks if possible. If we verticut at the same time, we will use a moderate amount of sand. If not, then a light amount. Following aerification, a heavy amount of sand to be sure the holes are filled. Drag with Steel mat. Cool Season - once the overseed is established every 3-4 weeks. This year we only top dressed once in January. If it's too cold, the sand just seems to sit there and aggravates everyone.	Toro - used for medium to heavy topdressings. Vicon for very light topdressings. Steel drag mat. 3.5x6.5 feet. Brushes - usually used for light topdressings but really isn't any better than the steel mat.	Reduces the grain effect. Smooths the putting surface
T im Cann, CGCS Harbour Ridge Y&CC Ft. Pierce	Pro, Manager and Green Chairman are all involved. Always searching for a better method (time). Pro Shop is responsible for communication of the project.	Straight sand - PM200	Every 2 weeks on Thursdays between 11 a.m. and 3 p.m. The Pro Shop provides a 1-hour gap from 11 a.m to noon. We follow the 11 a.m. foursome the entire round until complete.	Light applications - Terra Topper Wide open. Cushman vehicle - 1st gear. high range. Heavy applications - Cushman topdresser. MeterMatic ground drive also used. Turfline rollders on triplex used to smooth any disruptions to surface	Later morning applications brush in easliy. Past experience - only morning top dressing caused sand balls and stuck flags in cups. Smoother greens resulted from new method.
Darren Davís, CGCS Olde Florida GC Naples	Topdressing based on turl/thatch conditions and climatic conditions. Golfers are always given the utmost respect.	Greens - Standard Sand's "Ideal Topdressing." Tees & Fairways - DOT from GASH	Greens - every 2 weeks. Light. Tees - every 2-3 weeks. Moderate. Never bury them.	Greens - Terra Topper. Tees & Approaches - Toro Workman & 2300 pull behind. Fairways - outside contractor 2 times a year. Greens - drag with hand brooms after light applications. Terra Broom after aerification's heavy applications. Tees & fairways - Sisis 2 brush	
Kevin Downing, CGCS Willoughby CC Stuart	Notify Pro Shop and members on first tee seven days in advance.	85/15 mix with Canadian Peat. Charcoal sand 3 times in winter.	Nine times per year. 1/8 setting, Done in the afternoon	Vicon - light 7 times per year. MeterMatic - heavy 2 times per year. Drag brush. Push brooms. Levelor drag mat in summer.	Smoother surfaces. Greens speeds 8.75-9.0. Not sure of going to 14 times per year because of disruption to play.
Wayne Kappauf, CGCS Island CC Marco Island	We try to stay on a schedule and inform Pro Shop a week in advance. We adjust for key tournaments. We also warn our mechanics so they can adjust their backlapping schedules	GASH's 85/15 with Canadian Peat	Summer every 3 weeks spaced around aerification. Winter every 4 weeks, 2 weeks prior to big events. Any time after aerification. Very light in winter. Approx 2.8 cu ft/1000 sq ft. Moderate in summer, approx 6 cu ft/1000 sq ft.	Terra Topper for light applications. Toro (belt drive) after aerifications. No dragging required for winter light applications. Drag mat in summer for lighter applications. Drag brush after heavy applications.	Greens are consistently smoother and quicker.
Mike Mongoven, CGCS Ft Myers CC/Eastwood Fort Myers	We advise the golf pros at each course when we plan to topdress. We vary the day of the week so we won't upset golfers that only play certain days.	Straight sand FM 200. In winter we add 4 pounds of charcoal to the FM200	Biweekly starting at 5:30 a.m. behind the mowers. This allows us to finish ahead of the golfers. We share equipment between the courses.	Because we topdress when the turf is wet, we apply light amounts of sand with a Terra Topper and drag it in with a carpet. After aerifications and for the tee tops we use a Turfco Topdresser to apply heavier amounts of sand. If we topdress when it's dry (rarely), we drag with a brush.	Greatest benefits are improved smoothness and enhancing the turf's ability to cover an open area. We have not overseeeded the last two years. The charcoal sand has helped the Tifdwarf retain its green color.
Mark Richard, CGCS Ft Walton Beach GC For Walton Beach	Aerification topdressing is scheduled in the fall for the following year and is communicated to the Men's and Ladies' associations and posted for the public 7-10 days in advance.	USGA Spec sand	3 times per year aftger aerification to fill holes. Every 2 weeks in the growing season to reduce thatch and smooth the greens. Heavy rates = approx 1 cu yd per 1000 sq ft to a light dusting every 2 weeks.	Turfco MeterMatic III for all applications. Sand is brushed with Standard's drag brush and watered in.	Smoother greens. Less thatch - less disease.
Rick Tatum, CGCS The Forest CC Fort Myers	Summer topdressing on closed Mondays. Winter more difficult. Block tee times 1 hour starting around noon. Topdress & brush. No interruptions. Also apply amendments or fertilizers at this time. Never had a complaint from players playing behind our topdressing program.	I-220 sand	Frequent light applications. Alternate between the Bear & Bobcat courses every week. This program is followed year round except after aerification.	John Deere 955 tractor Speed 1.5 mph. Vicon set wide open. Brush one time over entire green, 10 minute syringe. Support - Ford tractor and Rayside trailer to haul sand. ClubCar with Jacobsen Drag Brush	Consistent, healty putting surfaces.

ICP equals IPM

Assistant Golf Course Manager Collier's Reserve Country Club

The foundation of our Insect Control Program at Collier's Reserve is an aggressive Integrated Plant Management (IPM) Program. By maintaining a strong, healthy, dense turf, you can more easily overcome minor insect, disease and weed pressures.

Our cultural practices for promoting a healthy turf include verticutting, aerifying, topdressing and mowing with sharp, well-adjusted reels, as well as utilizing a computerized irrigation system that delivers proper amounts of water based on evapotranspiration rates.

However, even doing all the right things to keep a healthy turf does not guarantee that you will not have some turf areas susceptible to insects.

Mole Cricket Control Program

In our area, mole cricket control must begin in February and March before overwintering adults begin to mate. We apply beneficial nematodes on problem areas to knock down the mole cricket population.

The nematodes are applied at dusk or during the dark to pre-watered turf (prewatering cools the turf) with a flood jet nozzle at 50 gallons of water per acre. After the nematodes are applied we water again to ensure they get into the soil.

The application of beneficial nematodes has worked well but does not guarantee 100 percent control of the mole cricket. In May we begin soap flushes, which allows us to monitor the nymph hatch.

With evidence of the nymph hatch, we begin applying conventional insecticides at the lightest rate indicated for mole crickets.

In 1995 we tried Merit on 4 acres of turf at the very onset of the nymph hatch.

Our results were excellent, and we will be using it again this year. Also, we will continue to treat for adult mole crickets that were missed as nymphs throughout the summer using a variety of products.

In the past, we have used Crusade 5 G, Talstar Flowable and Orthene with good results on the nymphs and smaller crickets. We also apply mole cricket bait to the turf during the late summer and early fall to actively feeding crickets. Applications are made late in the day or on nights with a full moon and no irrigation scheduled.

Another program we have for mole crickets is to treat individual mounds with a one-gallon B&G sprayer fitted with a 12-inch brass tube which allows us to inject Lemon Joy and water directly into the mole cricket tunnel.

We usually assign our golf course setup person this task. Greens are treated when cups are cut, tees when tee markers are moved, and fairways as they are checked and cleaned of debris. You must take care to keep the soap mixture off the turf surfaces to avoid burning the turf.

A polycoated Dursban is also used when there is increased pressure from young mole crickets on greens, collars and approaches. When the mole crickets reach the third to fourth enstar, we once again apply the beneficial nematodes, following the same application methods used in the early spring.

White Grub Control Program

We have been fortunate that white grubs have not been a severe problem here. Problem areas are treated as needed. Those turf areas that resemble grub damage are checked by removing a piece of sod with a flat shovel and visually inspecting the root zone for grubs. In May and June, areas with evidence of grub activity have been treated with Turcam 2.5 G at the labeled rate and then watered in.

Fire Ant Control Program

Fire ants are one of our most serious insect pest problems. Not only do they inflict painful stings to golfers and the maintenance crew, but they are extremely damaging to turf as they build their mounds. In out-of-play areas their mounds cause damage to plant material as they build around the stems.

We treat wall-to-wall with Award once in the spring and again 4-6 months later if needed. Using a Hurd spreader mounted on a Cushman Truckster, we apply at 1 pound of material per acre. Application is done late in the afternoon when the ant population is more active,

However, even doing all the right things to keep a healthy turf does not guarantee that you will not have some turf areas susceptible to insects. and when no rain is forecast. The irrigation will be turned off that night. Water tends to reduce Award's efficacy.

In addition to the broadcast method of Award, the course setup person, the IPM Specialist and myself will treat specific areas that are likely to cause problems for golfers and crew (i.e., green slopes, tees, etc.) with Orthene or Award. Also, out-of-play mounds that need specific attention are treated with Award sprinkled around the mound.

Worm Control Program

Sodweb worms, army and cutworms are treated preventively and curatively as needed. Areas such as trap faces and shadow boxes on fairways that have higher cuts of grass make it easier for larvae to go undetected until after damage has occurred.

For this reason, during the summer months we will treat with Vector TL as a preventive control. When conditions are right for worm activity on greens and tees (i.e., cloudy days with rainfall) we will apply preventive treatments of M.V.P., which is a microencapsulated form of *Bacillus thuringiensis*.

This product has given us a 4-7 day control for sodweb worms as opposed to regular Dipel, which is 1-2 days at best. Greens are closely monitored during spring, summer and fall months. If treatment is needed, it is usually Dipel and a light rate of Orthene or Astro. Astro, a pyrethroid, has provided us excellent quick knockdown of worms.



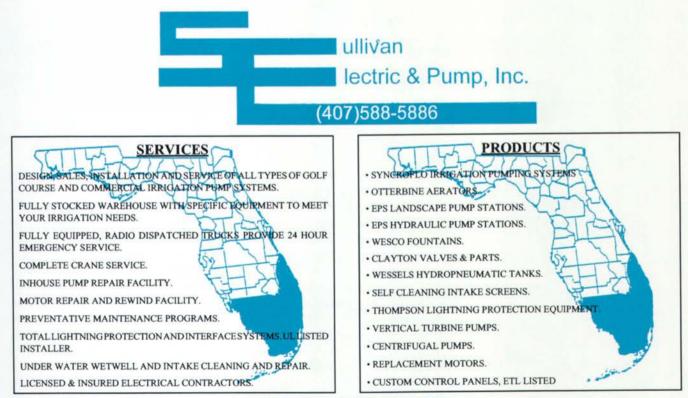
Summary

A good IPM program, as the foundation to the insect control program, will ensure than you will remain in control of your turf insect problems and also control disease and weeds.

Nothing will substitute for developing and maintaining good cultural practices, keeping in mind that sound cultural practices and a good insect control program can mean dollar savings to you in the overall maintenance of your golf course for both time and material.

Oxygen Generation

Plants, including turfgrass release significant amounts of oxygen into the air. A turf area 50 feet x 50 feet produces enough oxygen to meet the needs of a family of four [Huffine and Grau 1969]. An acre of turf would support 174 people, and a 100 acre golf course would provide enough oxygen for 17, 400 people.



"Servicing South Florida"

A Primer for a comprehensive golf course maintenance environmental health and safety program

BY FRANK J. MEEKER, CEP.



kay, so Washington is looking over the General Duty Clause (section 5A.1 of the OSHA Act) and Republicans in the House of representatives are looking at curbing excessive regulation on businesses.

You, the golf course superintendent or golf course owner can breathe a sigh of relief, right?

Well, folks, the General Duty Clause yielded over \$3.5 million for the federal coffers as of September 1994 alone. During the same period of time for programs as simple as Lockout/Tagout-Training and Communication, OSHA levied almost \$8.8 million in fines. Hazard Communication Program violations gathered in another \$8.4 million and continues to be one of the standards most frequently cited as being violated.

Do you really think OSHA is going to back off of these cash cow areas without a fight? I don't, and if history is any teacher, you shouldn't either.

So what kind of program do you really need in order to have some hope of convincing these folks that you are trying to do your best? Generally, the best approach has been found to be a combination of systems which rely on training, auditing, communication, and investigation of and reporting actions within established programs. Let's look at a few examples of how this could work.

Program Audits

The first thing to do is determine what programs you already have in place. A Program Audit (PA) takes a look at your existing operations and determines to what degree they follow established and applicable regulatory areas. Certainly the PA would look at your OSHA record keeping, accident reports, medical records and the like.

The PA would also review past audits, if any exist, and previous inspections and/ or enforcement actions to decide if issues identified in the past have been addressed. Next, a comprehensive review of any training and communication programs would be done. Specifically, we would be looking for the following written programs:

- 1) a respiratory program,
- 2) a HAZCOM (hazards communication) program,
- an emergency action plan (contingency for dealing with CERCLA and/or RCRA issues),
- an emergency response plan,
- 5) a pesticide storage/handling/ inventory program,
- an above/below ground storage tanks inspection/ reconciliation program,
- a SARA Title III reporting program,
- a hearing conservation program,
- a MSDS collection and employee information distribution program, and
- a verified wastemanagement program (with recycling being a key element).

Other programs to consider for this action step would include your fire safety program, an equipment inspection program for cranes, lifts, hoists, and even what emergency equipment is available and how/where it is stored.

But lastly, and probably the only protection you have during an inspection, is a review of your documentation. You need to document your training, your programs, your inspections, your pesticide inventory, and practically everything else. And the impacts of regulation go far beyond just complying to OSHA regulations. Just look at today's tanks program.

Above/below ground tanks have become a favorite target for regulators recently as more of the inspection responsibilities for the program are passed from state (in our case, the Florida Department of Environmental Protection) down to the counties or local municipalities.

Key areas being hit? Documentation is the big one. They want to see documentation of the visual inspections prov The agencies want to see that you are reconciling the tank volume every day product is added or removed and that things balance out from week to week.

ing that you are covering required areas.

Which area? Certainly monitor wells, bailers and pumps visual inspections for underground storage tanks are important. Secondary containment and fire suppression inspections for aboveground storage tanks are the others.

The other important paper trail under the tanks program is the documentation for product reconciliation. The agencies want to see that you are reconciling the tank volume every day product is added or removed and that things balance out from week to week.

This information needs to held for three years for each tank before it can be discarded. We have used computer programs to simplify this process, collecting only a meter and stick reading in the morning of day one and using the opening meter reading from day two as the closing meter reading for day one. The computer calculates everything else.

There are also areas in the program to include deliveries of product, listings of carriers, warning of overage or shortages, and sign off areas from visual inspections.

As a side note, not everyone recognizes that the tanks program includes pesticides, ammonia, and blends, mixtures or byproducts of oil or gas (like used oil tanks) for this program.

This usually does not include fertigation tanks depending upon what is in them. We have had the agencies try to impose regulation of aboveground fertigation tanks which only contained trace minor nutrients under this program. The Tallahassee office of the FDEP later, thankfully, confirmed this was not the intent of the tanks program. Look things over and, if you're not sure, ask for some advice.

It is paramount to understand that a program like Lockout/Tagout and HAZCOM have documentation requirements as well. A written program, and documentation as to how that program is run, is the type of verification agencies are looking for when deciding compliance. Without documentation, you too can join the few and the proud who have been levied with fines for noncompliance.



Facility Audits

At the same time the Program Audit is under way, it is time to update, or at least start, a Facility Audit (FA).

A FA starts with a good map showing the layout of the facility, location of any aboveground or belowground storage tanks, pesticide storage areas, electrical outlets, fire safety stations, eye wash stations, load/mix areas, ventilators, waste storage areas and equipment storage areas.

We believe it is a good idea to identify any land forms of significance as well, including ditches, stormwater ponds, wetlands or critical wildlife habitat areas. It includes walk arounds and inspection of personal protective equipment (PPE), a review for unsafe conditions, looking especially for anything that could cause accidents.

We have found that employee participation in this part of the program is good for the employee and the employer. It never hurts to have a fresh set of eyes looking from a different perspective, and it becomes another means of training the employee in the program. Rotate the employees from inspection to inspection and document your review. Both the golf course superintendent and employee should sign the inspection report and file the inspection right away for future availability.

Unsafe Activities Reports

An often overlooked area in the documentation chain is a review of unsafe activities by employees. Problems with an employee not wearing PPE or failing to follow the Lockout/Tag should first be corrected, then noted in the employee's file.

Other items for consideration would include using the wrong tool for the job, driving around the course at unsafe speeds, failing to secure equipment, removal of protective guards, using unsafe job procedures, or generally trying to bypass the safety program.

We know it seems like tattling, distrust or overkill, but a lack of documentation of these events leaves the employer open when the inevitable lawsuit happens where, through the employee's own bad habits, he or she is injured on the job.

On the other hand, a trail of documented problems with a particular employee, signed by the employee, can show a clear pattern of disregard for the safety program. This could possibly limit some liability to the owner or superintendent during the worker's compensation claim or other suit.

Further, documentation of these activities, plus discussion with the employee after each occurrence, establishes a clear pattern of action taken by the employer. When brought into court. This clearly shows an effective and active safety program which has been working to try and correct the individual's poor work habits and keep the workplace safe for the employee.



<u>COMPUTER-EXACT CUSTOM MIXES.</u> <u>EVERY ORDER. EVERY TIME.</u>

Every order received by Golf Agronomics is prepared in our fully computerized machine. Double screening capabilities ensure that your first mix portion is the same as your last.

Golf Agronomics meets all your top dressing needs with its ability to customize your mix with a variety of soil amendments including: Dolomite • Hi-Cal Wetting Agents • Charcoal Humic Acid • Minor Elements Rock Phosphate • Gypsum and Customer products.

Golf Agronomics donates a % of every ton of top dressing sold to the FGCSA. Since its opening, Golf Agronomics has donated in excess of \$17,000. Our sincere thanks to all of our customers.

