

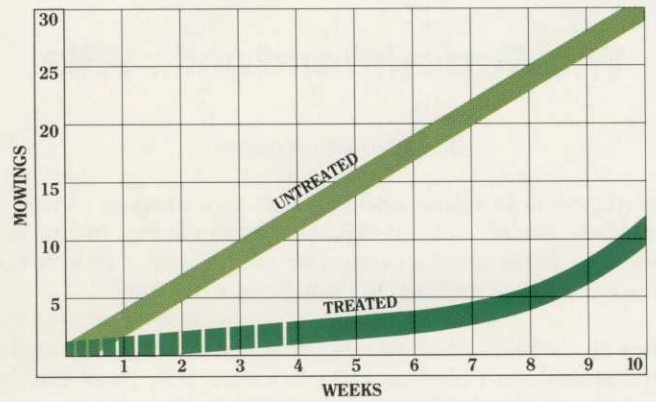
This hybrid bermudagrass was mowed after 7 days of growth. Scalping is obvious in the untreated walkways. Sections treated with Turf Growth Regulator Plus Fertilizer (left and right) were not scalped.



Balls take a better lie, and playability improves on the denser, more tightly knit treated turf (right).



Turf treated with Turf Growth Regulator Plus Fertilizer (fairway area to the left) continues to show good color response 11 weeks after application in this comparison with fertilizer only.



FEWER MOWINGS

Over a 10-week period, you can mow fertilized turf about 30 times. Turf treated with Turf Growth Regulator Plus Fertilizer may require as few as 10 mowings. Treat your fairways twice during the summer growing season and continue to realize similar mowing savings. You save on labor, fuel, and equipment maintenance and replacement costs. And your crews can be working on other priority jobs.



FEWER CLIPPINGS

During the period your turf is under control, you can take off up to 75% less clippings when you mow, compared with a fertilizer-only program. This means fewer clippings left on fairways. More important, you can keep most of that desirable green color in your fairway turf where it belongs.



The Superintendent's Wife

by Maureen Kooyer

The phone is jangling and I rouse, groaning as I look at the clock: 4 a.m. — it could only be one thing. My suspicions are confirmed as I answer the phone. "This is the security system calling. Is Don Kooyer there?"

Once again I have had to get up for an emergency at the golf course. As I arouse Don I realize this must be the way a doctor's wife feels.

There was a time when I thought all there was to golf course maintenance was mowing grass. How far I've come since then! When someone asks how my husband makes a living, the questions are always the same. They first ask if he is a pro, then they ask if he mows all day. When they hear how technical the profession is, most are amazed.

I remember feeling the same way at one time. Don started out as many do by mowing greens, edging and raking sand traps, and trimming trees, etc. In no time it became clear to him that this was how he wanted to make a living. He was also sure that he had a lot to learn. Learn he did — and he's come a long way since then.

The pathway has been a rocky one — not just for him, but for me and our boys too. I can think back on the ruined

meals, missed appointments, and lonely weekends we went through.

How many men work on Christmas, Easter and Thanksgiving mornings? Get phone calls at 3 a.m. and have to go shut off a faulty alarm or fish a golf cart out of a pond? Or spend a whole night at the course tending to a temperamental sprinkler system or digging a hold to fix a massive leak in a pipe? I've lived through all this and more.

The brakes have been slammed on more than once to eye another course along the highway. We have to listen to the problems of irresponsible personnel, faulty equipment, diseased greens from heat and humidity or are crying from lack of rain. And we all hear about mole crickets, fertilizers, fungicides — the list is endless.

How many times has our lawn gone unmowed when the golf course looks as though it was trimmed with cuticle scissors. He speaks enthusiastically about planting flowers in parking lot planters but won't touch the flower beds at home!

In spite of all the trials and tribulations, he has given us a lot. He has taught the boys the value of working hard and making an honest living. He has shown them what a continuing education can do for your career. He has shown them dedication and concern. Being a golf course superintendent is more than his profession, it is what he is. So I continue to support and stand behind him because I know what he does is so important to him.

Proud? You bet! Now do you suppose I could get him to mow the lawn?? ■

1986 GOLF TOURNAMENT AND SHOW

Florida Turfgrass Annual Conference and Show

Register now for a great time on Sunday, October 19th.

The Golf Tournament will begin with a shotgun start at 1 PM at the Sun City Center Golf Course. This is an afternoon of fun and fund-raising. Proceeds of the tournament go to support turfgrass research. Come out and compete for a variety of awards and the prized FTGA Presidents Trophy. (This is awarded to an Association member for the lowest gross score.) Register on the enclosed registration form for a \$45 donation. (Donation includes the cook out.)

To round off the day, join the non-golfers at the Simmons Ranch at 6 PM for a delicious cook out. This has become the social event at our annual conference and show. You won't want to miss it!

Spread the word! Join the fun . . . at Sun City Center for the research golf tournament and Simmons Ranch for the cook out! ■

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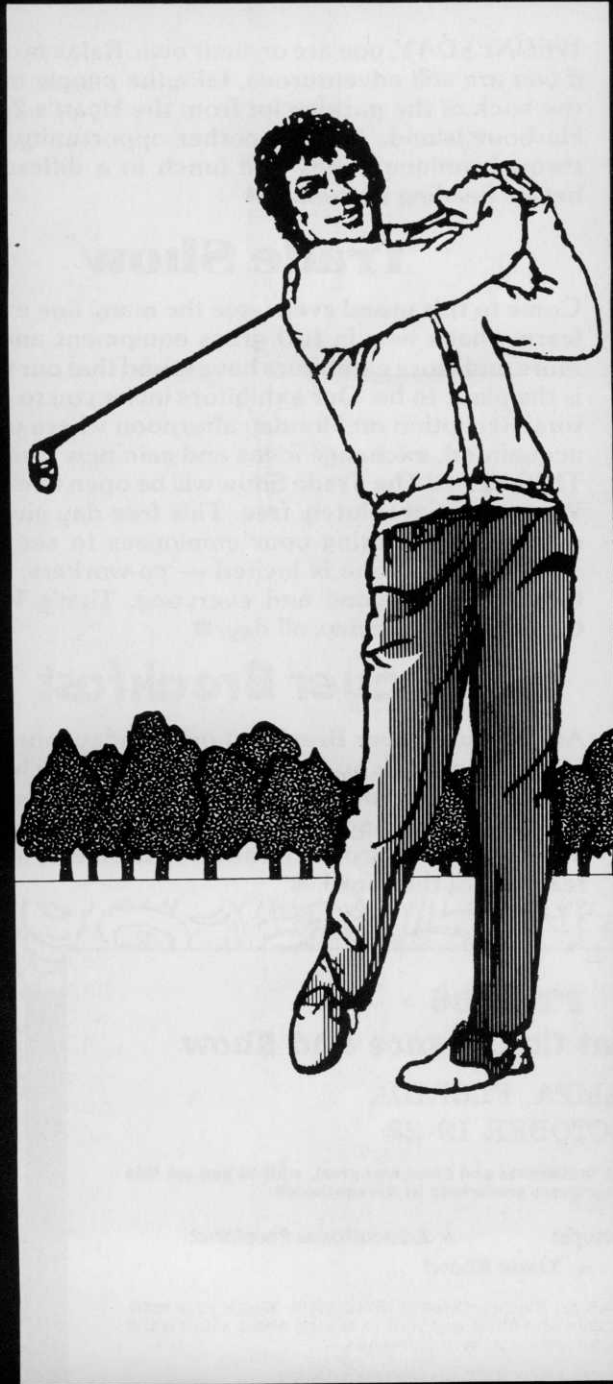
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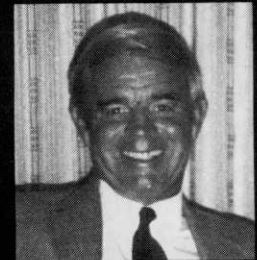
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1986 SPOUSE PROGRAM

Florida Turfgrass Association Annual Conference and Show

Two exciting days are planned for you this year . . .

MONDAY, join us for a delightful day featuring fine fashion and folk art! Our day begins at Old Hyde Park village, a collection of fine stores located in a historic residential district. A continental breakfast complete with gourmet coffees, freshly baked pastries and seasonal fruit is served at Joffrey's a quaint shop specializing in coffee, tea and spices. Leisurely browse through the many fine stores. Jacobson's The Polo Pavilion, Laura Ashley and Courreges are but a few of the many stylish shops.

Our next stop is unique. visit the "Quilted Sampler" and discover the joy of quilting — an expert quilter shares the history of quilting and modern techniques. She will demonstrate how even a novice can create a country wreath adorned with quilted ornaments. Walk next door and browse through the Cracker House, a shop brimming with folk art and antique quilts. The owner's microwave method of drying flowers is a clever way to make your own pot-pourri. Several other shops are in the area for browsing. Our day concludes with a Dutch treat lunch served at Chavez at the Royal, a delightful tea room.

TUESDAY, get a head start on your Christmas shopping! Our morning is spent browsing through the many theme buildings of Rodger's Christmas House. Each building is packed with decorating and gift ideas for the holidays! Choose an ornament for that someone special!

Enjoy a glass of chilled juice as we travel through the rural

Florida countryside to Brooksville. Sip a glass of iced tea as we enjoy a Dutch treat lunch in a country tea room noted for its fresh homemade pies and pastries.

Relax, compare purchases. Chilled chablis and a light afternoon snack are served as we return to Tampa!

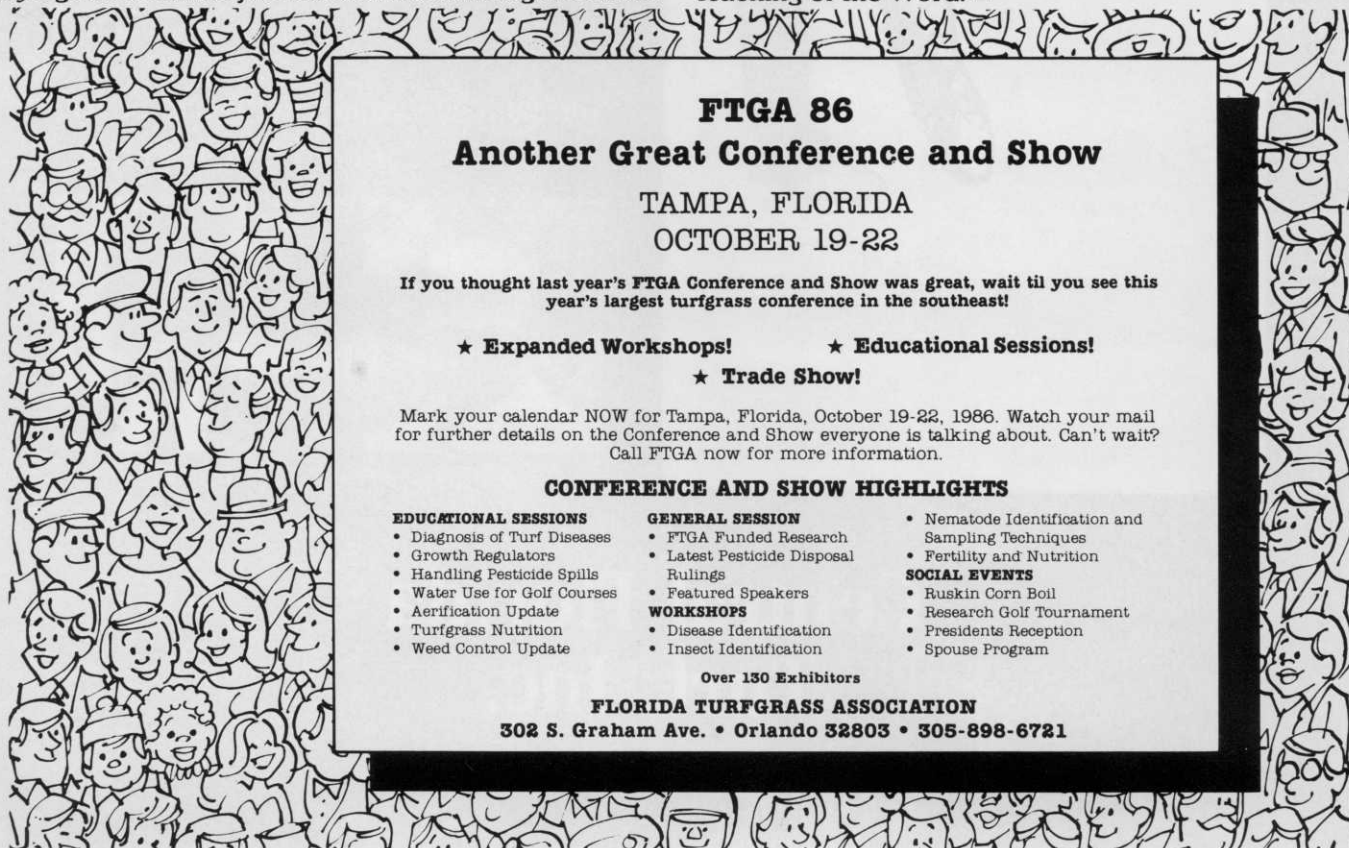
WEDNESDAY, you are on your own. Relax by the pool or if you are still adventurous, take the people mover from the back of the parking lot from the Hyatt's 2nd floor to Harbour Island. This is another opportunity to browse through unique shops and lunch in a different setting before heading for home. ■

Trade Show

Come to this grand event, see the many fine exhibits and learn what's new in turf grass equipment and supplies. More and more exhibitors have found that our trade show is the place to be. Our exhibitors invite you to the Exhibitors' Reception on Monday afternoon where you can get acquainted, exchange ideas and gain new insights. **NEW THIS YEAR!** The Trade Show will be open to everyone on Wednesday absolutely free. This free day gives you the opportunity to bring your employees to see these fine displays. Everyone is invited — co-workers, assistants, technicians. Anyone and everyone. That's Wednesday October 22. Free day, all day. ■

Prayer Breakfast

Attend our Prayer Breakfast on Monday morning for an inspirational talk by John S. Riley. Noted for his dynamic and sincere personality, Mr. Riley always wins the hearts and attention of any age audience. His life and ministry are a constant source of inspiration by the life he lives and his teaching of the Word. ■



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Another Great Conference and Show
TAMPA, FLORIDA
OCTOBER 19-22

If you thought last year's FTGA Conference and Show was great, wait til you see this year's largest turfgrass conference in the southeast!

★ Expanded Workshops! ★ Educational Sessions!
★ Trade Show!

Mark your calendar NOW for Tampa, Florida, October 19-22, 1986. Watch your mail for further details on the Conference and Show everyone is talking about. Can't wait? Call FTGA now for more information.

CONFERENCE AND SHOW HIGHLIGHTS

EDUCATIONAL SESSIONS <ul style="list-style-type: none">• Diagnosis of Turf Diseases• Growth Regulators• Handling Pesticide Spills• Water Use for Golf Courses• Aerification Update• Turfgrass Nutrition• Weed Control Update	GENERAL SESSION <ul style="list-style-type: none">• FTGA Funded Research• Latest Pesticide Disposal Rulings• Featured Speakers WORKSHOPS <ul style="list-style-type: none">• Disease Identification• Insect Identification	<ul style="list-style-type: none">• Nematode Identification and Sampling Techniques• Fertility and Nutrition SOCIAL EVENTS <ul style="list-style-type: none">• Ruskin Corn Boil• Research Golf Tournament• Presidents Reception• Spouse Program
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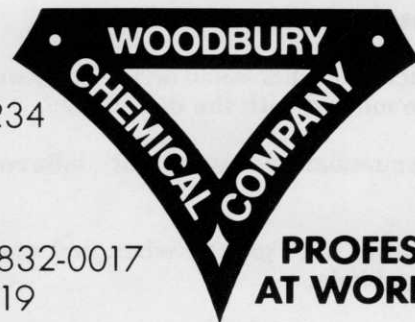
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If There is No Pesticide Registered for the Purpose, Do Not Cheat

Whenever a popular pesticide is no longer available, there is a mad rush to identify the most effective and least expensive replacement for it. This is currently true for many nematode control problems previously handled with ethylene dibromide (EDB) soil fumigants. However, there may be no alternatives registered for some of those uses, leading to "creative" pesticide use, outside the label restrictions for the product being tried. **DON'T DO IT!** The lack of registration may reflect some specific problems with that product on your crop, or maybe an unwillingness of the manufacturer to have its product used in a specific crop or site because of lack of efficacy, excessive product liability, or EPA limitations on the total amount of the product which can be used anywhere. Whatever the reason, use outside the label is **ILLEGAL**.

1. You are liable for fines and jail sentences.
2. Publicity in the press about illegal use, especially if there is some kind of human hazard or wildlife kill, reflects badly on all pesticide use and strengthens arguments for greater regulation and restriction of them.

Please do not, out of desperation, do something which can put us in even more desperate circumstances. Stick to the label.

ENTOMOLOGY AND NEMATOLOGY

NEWS

September, October 1984

MOWER BLADE SHARPNESS EFFECTS ON TURF

D. H. Steinegger, R. C. Sherman,
T. P. Riordan and E. J. Kinbacker
Agronomy Journal, Vol. 75, No. 3

Park Kentucky bluegrass and a bluegrass blend of Baron, Glade and Adelphi were tested in Nebraska for response to rotary mowing with a dull blade. The following results were noted:

- Quality was reduced by the dull blade;
- Leafspot incidence increased on Park, but not on the blend when mowed with the dull blade;
- Thatch accumulations was not influenced by treatment;
- Water use rates were greater when turf was mowed with a sharp blade;
- The dull blade produced reduced shoot density and less verdure;
- Twenty-two percent more gasoline was used when mowing with a dull blade.

Cholinesterase Monitoring Important to Pesticide Safety

Regular testing of cholinesterase levels in the blood of applicators is a good way to monitor exposure to organic phosphate and carbamate pesticides, according to CHEM-LAWN toxicologist Roger Yeary. Pesticides that can be tracked this way include malathion, parathion, and acephate (Orthene) among the organic phosphates and aldicarb (TEMIK), carbaryl (Sevin), and benomyl (Benlate) among the carbamates.

Cholinesterase is an enzyme found in the nervous system, liver, red blood cells, and plasma. In the nervous system, organic phosphates and carbamates combine with the enzymes to disrupt the transmission of nerve impulses. As a result, the nervous system runs wild and the insect dies. Cholinesterase cannot be measured in the nervous system but it can be measured in the blood, where it binds to insecticides before they reach the nervous system. By periodically checking cholinesterase levels in the blood of pesticide applicators, chronic or low-level exposure and accumulation of pesticides in the body can be detected.

Yeary points out that when initiating a monitoring program, it is important to establish a baseline for comparison. Blood testing should begin 60 days before exposure to pesticides and should be repeated every three weeks or so. Research carried out by the U.S. Army has shown that cholinesterase levels in the body can be lowered gradually without symptoms of poisoning appearing. However, if cholinesterase levels are dropped quickly and suddenly — say 50 percent in 24 hours — symptoms of poisoning will appear.

A monitoring program is useful both to employers, who might find that reduced cholinesterase levels among employees were the result of poor handling practices, and to employees, who can be assured that they are not being unnecessarily exposed to pesticides. Yeary notes that its value lies in detecting chronic exposure rather than acute poisoning, which is best detected by awareness of such early symptoms as blurred vision, vomiting, coughing, or tightness of breath.

AGRICHEMICAL AGE
February 1984



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Compact size. Low center of gravity and 4-wheel for more stability and safety. Easier to handle. More comfortable to ride. 16 h.p. Kohler cast iron engine. 3-speed transmission, up to 11 m.p.h. Engine/transmission on floating, cushioned mounting for minimum vibration.

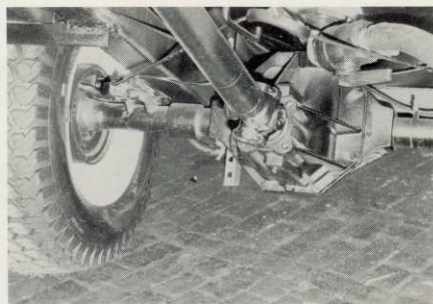
Protects turf, reduces compaction with big, high flotation tires and 4-wheel design. About half the PSI of other utility trucks. Fully loaded — front tires 8.2 PSI; rear tires 12.1 PSI.

Hydraulic brakes. Automotive steering. Adjustable seat. Rugged, dependable steel frame

designed for convenience, built for dependable service.



Rugged floating front axle with automotive type steering. Heavy square tubing frame.



Dana differential and universal joint drive shaft. Hydraulic brakes. Mechanical parking brake.



3-speed transmission coupled with 16 h.p. long-life Kohler cast-iron engine.

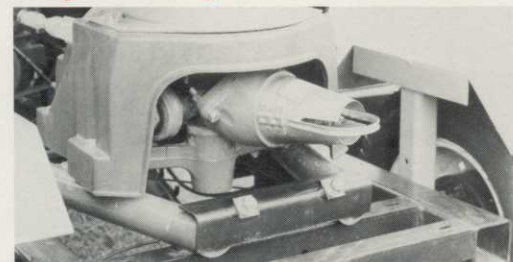
the spreader . . .

Top dress sand in just 4 minutes per green

3 times faster than others. Adjustable 12 to 20 ft. swath. Micrometer type settings for uniform, measurable rate of flow, up to 500 lbs. per minute. Noncorrosive hopper and working parts. Hopper agitation for free flow of damp sand.

Also spreads fertilizer, seed or lime — 20 to 40 ft. swath.

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Pendulum action spreader for more accurate pattern than any other method.



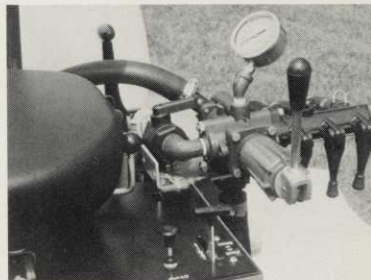
the sprayer . . .



For golf greens, grounds, lawn care and Ag. uses. Fast precision spraying of herbicides, insecticides, fungicides and liquid fertilizer.

Compact size for maneuverability, yet it has 160 gal. poly-tank with full-tank-length jet agitation 3-section folding boom for 18.5 ft. coverage. Use all 3 sections or individually.

New complete spray control system; main shut-off and 3 individual valves to control boom sections, spray pump and agitator controls . . . all at operator's fingertips.



Nozzles clamp on booms, allow adjustable spacing or addition of nozzles. Spray material flows through hoses and nylon fittings to prevent corrosion of booms.

New diaphragm check valve operates at lower pressures for drip-free shut-off and minimal pressure drop.

Quick couplers on hoses snap on or off to save time.

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Greens / Turf Aerifier

Cleanly penetrates turf to three inches, depending on soil condition . . . deeper than any "drum-type" aerator. Aerifier holes let air, moisture, plant food get to the roots. Cultivate a full 42 inch width for fast coverage.

Easily removed or attached with three connecting pins. Use behind spreader or utility truck. Eight 18-inch discs holding 80 spoons or blades. Includes 80 Qwik Mounts for easy spoon and blade replacement.

Used behind spreader, it's easy to aerify and follow with sand treatment.

OPTIONAL: Open or closed spoons in $\frac{1}{4}$ and $\frac{1}{2}$ inch sizes. Patented Flexi-Press Springs. Diamond-Point Slicing Blades.

the pow-r-pac . . .

Hydraulic Package

Completely self-contained electro hydraulic lifting system which is interchangeable between the Aerifier and the Utility Bed. Provides powered lifting and lowering of the Aerifier or hydraulic dumping of the Utility Bed.



the utility truck . . .



Utility Truck Bed . . . available with hydraulic dump feature

Heavy gauge, reinforced steel body. 54"W x 46"L x 10"D. 1500 lbs. capacity. Drop tailgate with chains.

A real convenience! Saves time and frees heavy-duty vehicles for the bigger jobs.

Converts to a dump truck with the addition of the Hydraulic Package.



SPECIFICATIONS

VEHICLE:
 Engine: 16 HP, (1-Cylinder) 4-Cycle air cooled
 Transmission: 3 speeds forward; 1 speed reverse
 3, 6, 11 MPH
 Front Tires: 18 x 9.50 x 8
 Rear Tires: 23 x 10.50 x 12 (Softrac)
 Brakes: Hydraulic drum type
 (Hand lever parking brake)
 Gauges: Hour meter, ammeter, speedometer
 Dimensions: 56"W x 94"L x 49"H
 (top of Steering Wheel).
 Wheel Base: 60 ins.
 Shipping Weight: 920 lbs.

AERIFIER:
 Cultivating Width: 42 ins.
 Discs: Eight, 18" dia., hold 80 spoons or blades
 Optional: Open or closed Spoons in
 1/4" and 1/2" sizes. Patented Flexi-Press Springs.
 Shipping Weight: 368 lbs.

SPRAYER:
 Solution Tank: 160 gal. (Poly type)
 Centrifugal Pump: 55 GPM max.; 100 PSI max.
 Jet Agitator: Full-tank length
 Controls: Pressure regulating valve and gage;
 Individual and main boom shut-off;
 Jet agitator and spray pump . . .
 all monitored and activated from operator seat.
 Boom: 3-sections, 18.5 ft. spray swath.
 Height adjustable 10 to 24 ins.
 Spring-loaded breakaway hinges.
 Dimensions: 56"W (booms folded) x 49"H
 Shipping Weight: 255 lbs.

HAND GUN KIT:
 Includes Gun and 25 ft. of Hose.
 Shipping Weight: 10 lbs.

HYDRAULIC PACKAGE:
 Self-contained electro-hydraulic system,
 required for Aerifier, optional for Utility Bed
 Shipping Weight: 59 lbs.

SPREADER:
 Hopper: Glass-reinforced polyester
 Capacity: 14.126 cu. ft.
 Spreading Swath: Adjustable, 12 to 40 ft.
 Dimensions: 56"W x 44"L x 51"H (mounted)
 Drive: Auxiliary to Vehicle engine
 Controls: Off/On Clutch from operator seat;
 Rate of flow and swath width on Spreader
 Rate of Flow: Up to 500 lbs. per min.

ACCESSORIES INCLUDED:
 One metal Spout (approx. 6" lg)
 One nylon Spout (approx. 20" lg)
 One Stirring Device
 Shipping Weight: 343 lbs.

UTILITY BED:
 Body: Heavy gauge, reinforced steel.
 Dimension: 54"W x 46"L x 10"D
 Capacity: 1500 lbs. max.
 Shipping Weight: 311 lbs.

ACCESSORIES AVAILABLE:

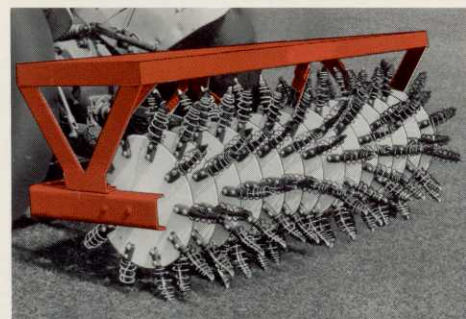


FOAM MARKER KIT:

Eliminates overlap of chemical and "misses". Dual valve for individual control to right and left booms.

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For extra maneuverability in the "tight" work areas. Remove the side booms and use this single nozzle to produce a very wide, deflector type, flat spray pattern.



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TM-140 Cultivates a full 6 ft. swath . . . attach to a tractor's 3-point hitch or add the Hydraulic Lift conversion kit for use with vehicles not equipped with a 3-point hitch.

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Effects of Edging Herbicide Treatments on Bermudagrass and Woody Ornamentals

B. J. Johnson
Weed Science, Vol. 31, No. 5

Because Bermudagrass grows and spreads rapidly, it creates an edging problem along sidewalks, curbs, fences and around ornamentals. Control of bermudagrass spread without injury to woody ornamentals in these areas has been investigated using glyphosate, and dalapon.

From ninety to ninety-five percent control of bermudagrass is common for periods of two months. Highest bermudagrass control with glyphosate requires that the grass must be green at the time of treatment. Paraquat severely injures bermudagrass for two to three weeks but it fully recovers after two months. Thus, chemical edging with paraquat requires more frequent applications than glyphosate or dalapon.

In test around andorra juniper, dwarf burfordi holly, Japanese holly, Youpon holly, red tip photinia, pyracantha, flowering cherry, and flowering dogwood, no injury was noted from applications of glyphosate, dalapon or paraquat directly under the foliage. Glyphosate and dalapon applied at four week intervals gave good control of bermudagrass. Paraquat applied seven times during the growing season did not adequately control bermudagrass.

TURF AND VERDURE
September 1984

It Isn't Easy

To apologize,
To begin over,
To be unselfish,
To take advice,
To admit error,
To face a sneer,
To be charitable,
To keep on trying,
To be considerate,
To avoid mistakes,
To forgive and forget,
To think and then act,
To keep out of a rut,
To make the best of time,
To shoulder a deserved blame,
To recognize the silver lining,
...BUT IT ALWAYS PAYS!



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Aquatic Management Services

The Gator Growls

By Sandra P. Carmouche



Creating Professionalism

Greenskeeper, golf course superintendent, golf course operations professional; what difference does it make provided that superintendents are making a living doing something they like?

On the surface, professionalism is nothing more than an image presented by superintendents, right? And since most superintendents enjoy being viewed in a positive light, indeed their jobs depend on it, this objective has been accomplished.

But wait a minute. Image is a two way street. Along with its presentation, it is also the golfing public's perception of the superintendent's credibility and competence.

What about the clown who buys unnecessarily expensive or inferior products in order to receive a kickback? Sure, eventually he'll be fired, but his replacement will be looked upon with mistrust and disfavor and it will be difficult to overcome the impression.

How about the creep who contacts your Greens Committee Chairman and tells him he can do a better job than you at a lower cost. Now you have to double-justify your position on everything, which erodes your working environment.

Wouldn't it be nice to have a code of ethics which provides for the censuring of unethical individuals? Or how about a list of approved companies and businesses whose products or services meet reliable requirements.

Of course, along with the professional image comes recognition. Because superintendents possess expert knowledge in the field of turf grass management, they deserve special recognition. And the field is relatively exclusive, in that the services and expertise provided to a golf club by the superintendent cannot be provided by just anyone.

The person who maintains a golf course must have an extensive knowledge of grasses, pests, weeds disease, fungi, chemicals, and fertilizers. He must possess an in-depth mechanical ability as it pertains to the type of equipment used on golf courses and be an expert on irrigation. The superintendent must also know how to manage and direct personnel and be able to prepare financial statements while dealing with budgetary demands.

Then there are the little extras, like an understanding of

the basics of engineering when drainage problems occur. Or the ability to design a new green so the club won't have to hire an architect. And since landscape plays an important role at golf clubs, the superintendent must have some knowledge of horticulture.

And don't forget pools, tennis courts, and waste treatment facilities which, in many instances, are assigned to the superintendent for maintenance.

The specialized knowledge that the superintendent must possess is not something which occurs through osmosis. Nor is it something which can be learned by trial and error. What was learned by just working on a golf course 30 years ago is no longer possible. Today it requires an institutionalized education in golf course operations.

With the research and technological advances being made in the turf industry, education is a continuing process. New diseases and infestations develop that require solutions and funding for researching these solutions is provided by superintendent associations from around the country. New treatments and applications are sought in order to contain the leaping costs of chemicals and fertilizers. Grasses that resist disease and infestation are being researched.

How many golfers realize the importance of these technical innovations? Are they aware that without these advances the future for golf would be dismal? The cost of maintaining a course in good condition would be prohibitive.

Likewise, without the market, superintendents would be out of a job.

There are a variety of factors that compose professional status and the production of new knowledge and its application is only one of the factors.

Before there can be a profession, there must be a market for its services or products.

Consider the medical profession, which is probably the ultimate in professional society. Until the turn of the century, doctors were no more effective at curing illness than witch doctors or folk medicine. But the American Medical Association, which was founded in 1847, had been promoting scientific investigation into the causes of and solutions to illness.

(cont. on page 39)

(cont. from page 38)

Through scientific advances, the A.M.A. was able to establish itself as the superior occupation in the health-care field. And by educating the public as to the superior services provided by professional members of the A.M.A., it created a demand for their expertise.

Public confidence in the medical profession was instilled through competence, adherence to a code of ethics, and an institutional education that taught standardized practices, which were constantly being improved.

The medical profession then received governmental support because of the importance of public health. But since government is not an expert in the medical field, the medical profession is self-regulating.

Now compare the medical doctor to the golf course superintendent. Not too long ago, superintendents weren't considered to be much more than farmers. But since its inception in 1926, the Golf Course Superintendents Association of America has been concerned with the professional image of superintendents.

The GCSAA has promoted research and provided funding for improvements in the turf industry. The development of successful, cost-efficient techniques has created a demand for superintendents who are members of the organization.

The association has played a major role in the standardization of cultural practices and has set up a program for certification which recognizes occupational superiority. It has campaigned for public awareness of the superintendent and his work while providing him with timely information that affects turf management.

Since golf is one of the few sports that can be enjoyed by any age group, the market for superintendents is expanding at a healthy rate. At the same time, regulations are being placed on the turf industry by government for health-safety and environmental purposes.

Who will be held financially liable if these regulations are not adhered to?

The club is the correct answer.

So the golf club would be best served by an educated, professional superintendent who knows all there is to know about golf course operations, and then some. Not only does it decrease the risk of liability, it costs less and it's prestigious for the club.

And for superintendents, the benefits of professional status are enormous. Pay scales are increased, pension plans are developed, recognition, distinction and job satisfaction are enhanced.

The creation of professional status is a complicated task that involves many different aspects of a specialized occupation. Golf course superintendents have fulfilled the requirements or professional status and should be acknowledged as such.

Yet there are many superintendents who do not keep abreast of the latest technological advances and governmental regulations. They are not members of, nor do they support, any local, state, or national organizations. Image is not important to them and titles are insignificant.

In the future, it is doubtful that there will be a place in the golf course market for these superintendents.

For in the future, the superintendent who does not see himself as a professional will most likely be replaced with a superintendent who does. ■



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PROFESSIONALISM IS APPLIED KNOWLEDGE

A profession is an occupation requiring extensive training, education and experience. One engaged in such an activity as a means of livelihood is a professional. But there are degrees of professionalism just as there are ranks of professions.

Some occupations - teaching, medicine, law - are assigned a high rank on the professional scale. Some professions and professionals earn greater respect because of their assumed competence or expertise as well as years of organized strength and public relations programs. Their professional character, spirit or methods are diametrically opposed to the amateurs.

Every professional does not have to have a Ph.D. or have spent most of his life as a lawyer or doctor to earn the respect and esteem that comes with knowing his job. It was not too long ago that very few universities offered professional training for golf course superintendents. Today, there are numerous institutions offering some sort of training for those interested in pursuing a career as a golf course superintendent.

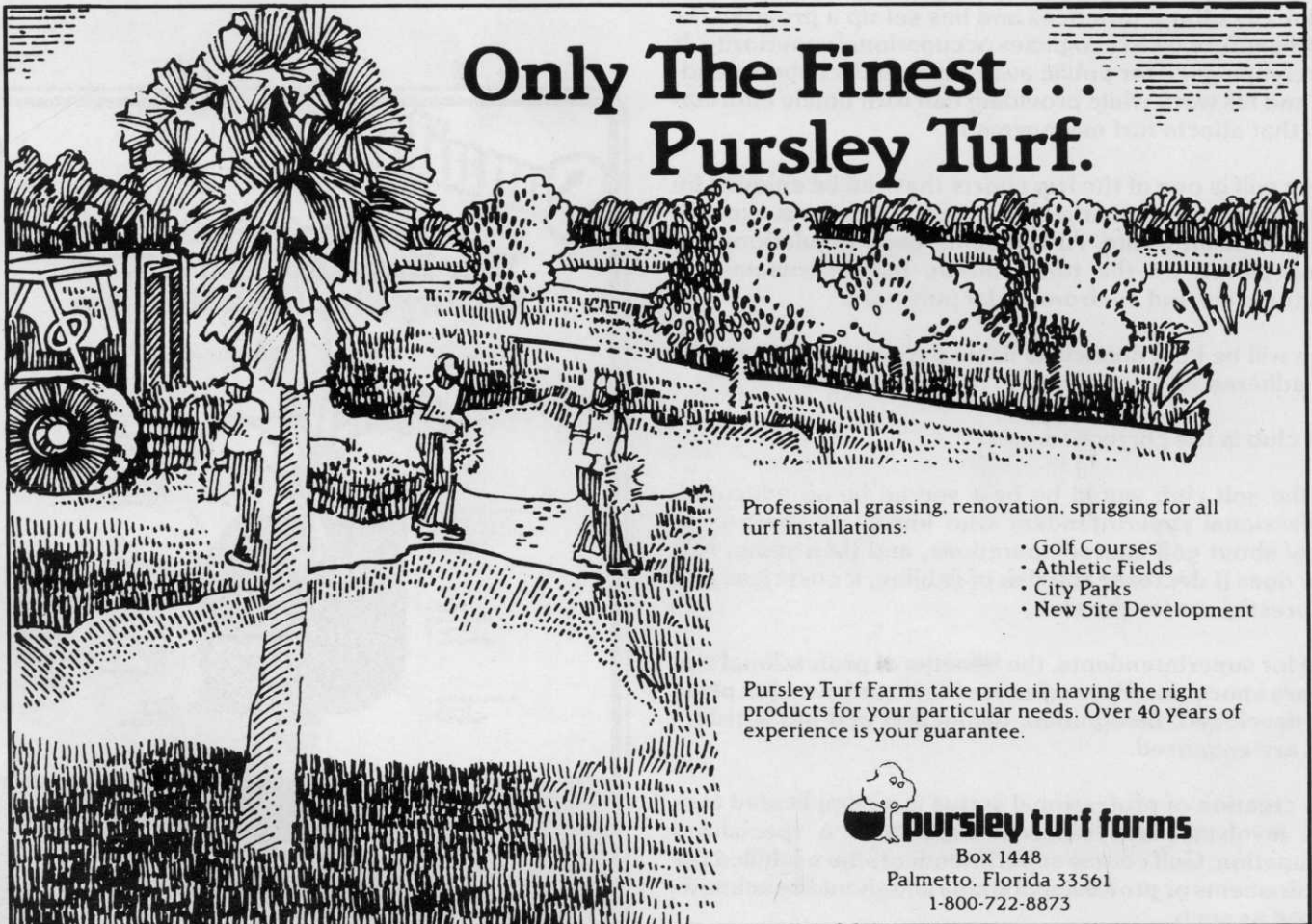
A professional is not someone with a hundred hours of classroom instruction. While knowledge learned anywhere is valuable -- it is not the goal and it does not make a professional. The goal is application of that knowledge.

A professional takes as much as he can squeeze from his job and in the same shake he returns -- through his experience, ethics and teachings -- a dividend to that profession. The test of a professional is his attitude -- his desire to tackle his job with enthusiasm and a willingness to open his mind to all the stimuli that influence him in his work.

A superintendent with a good attitude -- a professional viewpoint of his job -- will not do just what has to be done. He will approach problems with thought. He will seek others' thoughts. He will use his reasoning, training and learning to elicit solutions that will not only rid him of his immediate problem, but that will have a long-range effect.

A professional is one who is aware of what the job is all about and of how to go about it with the best results and least expenditure of energy. Golf course superintendency is a profession -- it requires extensive knowledge of a wide range of subjects. A professional superintendent is one who does his job -- on or off the course -- and acquires knowledge and then applies that knowledge to his work.

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