

Serious hazards
Lightning strikes trees

Barn burning
Head wrench speaks

Fact or fiction
Myths about pesticides

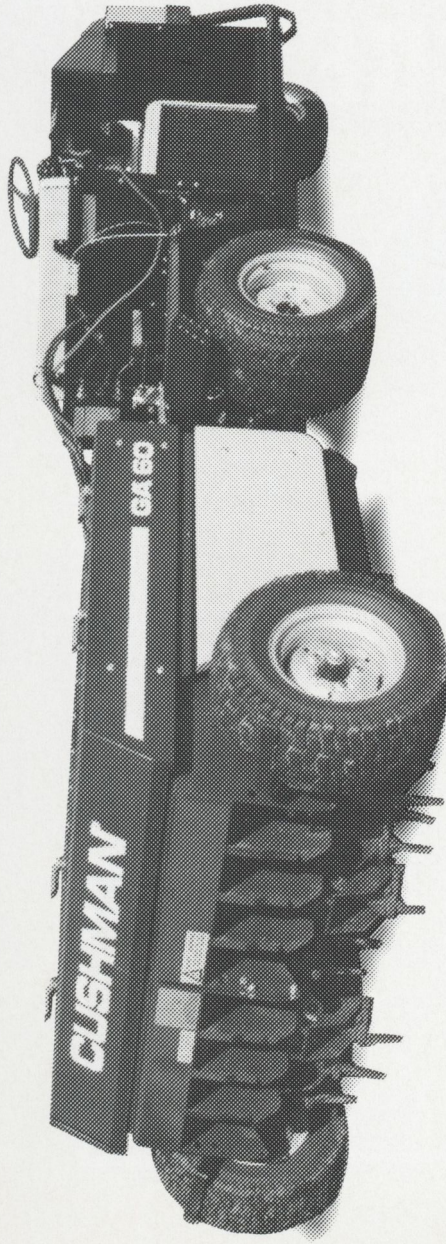
Green is beautiful - Summer / 94

GREENS

OGSA

*Twenty years ago
Beneficial predators
Bill Bowen tribute
CAN-AM scrapbook*





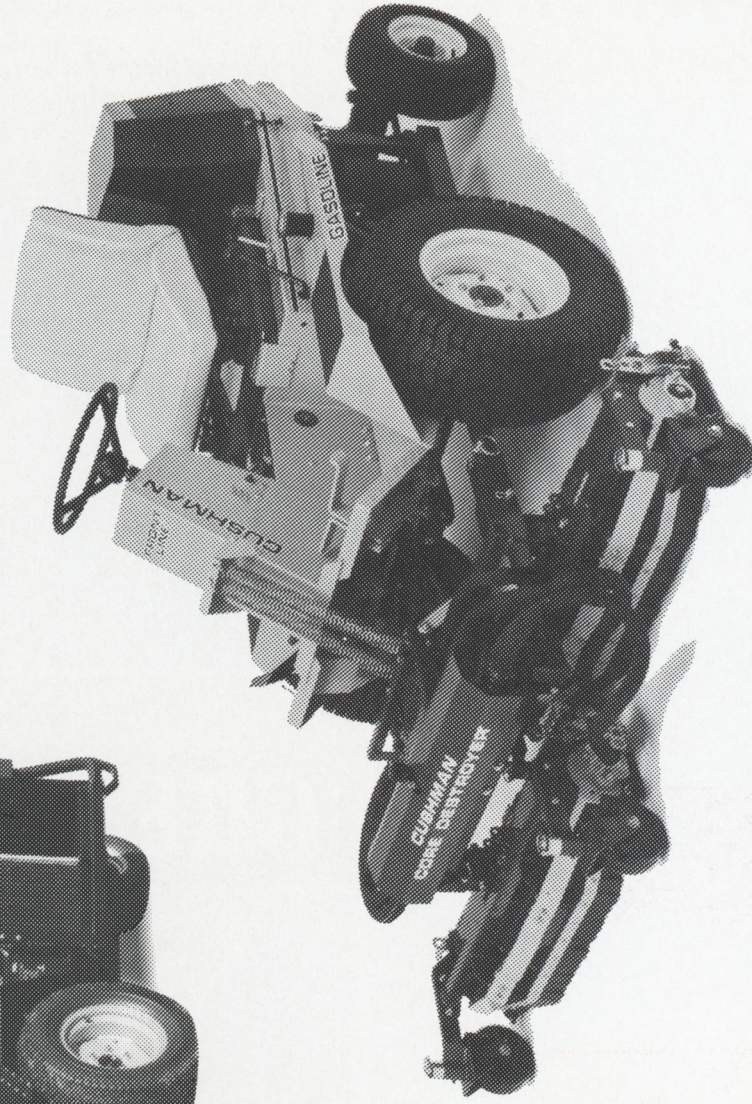
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Summer issue, 1994

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Cover

At its most powerful stage, lightning is always dramatic. Although golfers are always in peril during a storm with lightning, trees are the most likely victims.

(Inset)

A mature tree may not live due to scarring from a direct strike.

Photographs: Greg Hill

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Printing: Ultralith

Green is beautiful

Presidential fairways

Association loses colleague

OGSA

I unfortunately must start this message off on a sad note. Bill Bowen, Superintendent at Dalewood Golf Club, and long time member of the OGSA, has passed away. I, along with many members, had known Bill for a long time on both a business level and as a golfing friend. He will be missed. There is a tribute to Bill by Garry Hall on page 3.

Directors' news

Past President David W. Gourlay has been nominated by the OGSA for the upcoming GCSAA election. It has been many years since a Canadian has held a Director's position on that board. The OGSA Board of Directors, as well as Association members, should support Dave in any way they can.



With Dave Schmelefske changing hats from Superintendent to supplier, Paul Dodson from Aurora Highlands has been appointed to fill this vacancy. Paul, welcome to the OGSA Board of Directors.

Ian Bowen and Paul Dodson have been appointed as liaison to the CGSA for next year's conference. Ian and Paul have submitted a list of topics and speakers to be considered. The OGSA will contribute towards a successful event in Ottawa.

Speakers needed

The OTS Committee is busy making preparations for next January's conference. They are putting together a special Superintendents Speakers session and any superintendent interested in contributing can contact Rhod Trainor (OTS Chair) at Hamilton Golf Club, or Pam Charbonneau at the Guelph Turfgrass Institute.

I always find listening to fellow superintendents to be interesting and informative, so dust off your slides and come forward with a special project at your course which you would like to share with the rest of us.

I hope everyone has weathered the winter well. Summer is a very busy time of year, but it is also important to spend some quality time with family and friends.

BRUCE BURGER
President

Facts about golf course pesticides

Many members of the public have been stirred by blanket condemnations of golf courses by self-appointed environmental watchdogs. Often, information circulated is myth or exaggerated. And it is fact that well-managed golf course properties can enhance the environment, wildlife habitat and quality of groundwater.

As part on an ongoing information program, the Golf Course Superintendents Association of America has released this information.

Why do golf courses use pesticides?

Pesticides help to limit damage caused by insects, weeds and plant diseases. Insecticides, herbicides and fungicides are used selectively to protect the health of turf, trees and other living things. Fertilizers provide much-needed nutrition for plant life.

It is important that pesticides and fertilizers are not used primarily for aesthetics. They are tools that help ensure a healthy playing surface. They help to protect a valu-

able and ecologically important piece of land. Golf courses are economic assets and vital greenspaces for the community. Courses employ hundreds of thousands of people, enhance local economies through taxation and tourism, and provide many ecological benefits. They help to filter air pollution and create fresh oxygen; are excellent groundwater recharge sites and are critical wildlife sanctuaries.

How does a superintendent decide when to apply a pesticide?

Pest problems are often predictable, or can be diagnosed. Once identified, the superintendent considers the options. These include cultural practices (removing weeds, changing irrigation patterns, clearing underbrush), or the use of biological controls, or chemical products. Once the treatment and its ideal time is selected to be the most effective and environmentally-sound, implementation occurs. This approach is often called 'integrated pest management'.

What kinds of products are used?

Most are surprised that the majority of pes-

ticides used by superintendents are identical, or closely related to those used by homeowners.

How do we know that these products aren't harmful to humans or wildlife?

Pesticide production is one of the most highly regulated industries. Before a product is registered in the United States, it is rigorously tested for potential human health and environmental effects. This can take up to ten years and involve more than 120 tests and studies. Manufacturers often invest up to \$50 million in product safety before the product reaches market.

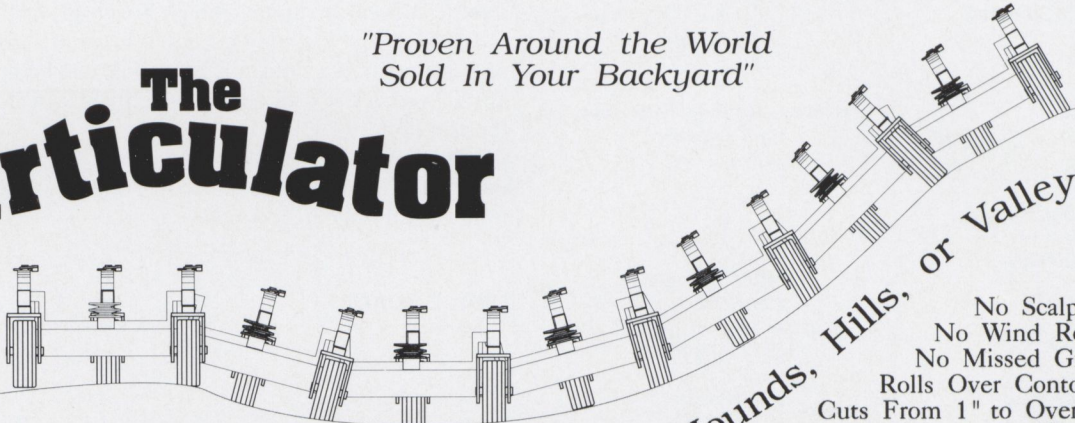
Are golfers at risk?

No, since there is no scientific evidence suggesting golfers face any chronic health risk. Once a liquid product is applied and the turf is dry, or the product has been watered in, there is very little chance of exposure. It is worth noting that a small percentage of people may be allergic to a particular product. Golfers with possible chemical allergies are always encouraged to contact superintendents to find out what products might be in use.

(continued on page 8)

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An important friend of the profession and game

Bill Bowen graduated from Horticultural School in Niagara and went directly into the greenkeeping business. For the next 35 years, Bill worked at the profession he loved. He held the highest rank in the Ontario Golf Superintendents Association and was a founding member of the Ontario Turfgrass Research Foundation.

Bill was immensely proud of those accomplishments, but this was only part of his life. He lived, played and breathed the game of golf.

Only the people who played the game with Bill can understand how competitive he was. He lived for the time when he could go south with Hugh Kirkpatrick, Paul Dermott and Bill Fach. He even enjoyed taking a couple of bucks from his pals.

I first met Bill 15 years ago when I had a dream of building a golf course. I was finding it difficult to obtain help when someone mentioned the name of Bill Bowen. They also mentioned that he was a grumpy individual and one I would not get along with. I saw Bill that winter at the club and he was a grouch and cool with this young upstart who thought he could actually build a golf course. After several cool minutes, I informed Mr. Bowen that I understood that he was one of the best, and I was prepared to do whatever he said. The rest is history.

Bill came to our proposed site in the spring and I know to this day he thought I was nuts, but never once did he try to discourage me. In our first year, every time we saw purple grass or cutworms, etc. Bill was at our course never once asking for anything but appreciation.

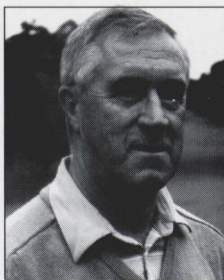
Bill kindly referred to my wife as 'Suz' either on the course or in our home, and during the following years enjoyed the fact that we had progressed to the point of arguing with him over the maintenance of our course.

Bill was extremely loyal to his friends, family and the profession he loved. I have talked to his golfing partner, Red Sullivan from Peterborough and decided that this note is not to be a memorial or an attempt at such, because Bill would not have wanted that.

Anyone who worked or played golf with Bill will know that when you glanced down a fairway early in the morning or sank a 50 foot putt how he would have enjoyed your experience. That will be the memorial he would have wanted.

If there is a heaven, Bill finally has time for the tour.

GARRY HALL
Six Foot Bay Golf Course



Green is beautiful

Editor's clippings

Unpredictable revenue

OGSA

As we enter the second half of summer, we can only wonder how unpredictable the weather might be. That is, if the first half was any barometer - one day blistering hot, the next almost deep freeze. One day we would think about pithium and the next pink snow mould. It

has been that type of year.

Just as unpredictable as the weather has been our advertising income for GREENS. We have hit a low point and current revenues do not cover the cost of the magazine. Consequently, the Executive Committee of the OGSA Board of Directors has instructed that the magazine cost and size be reduced. I don't agree. Let me briefly explain why.

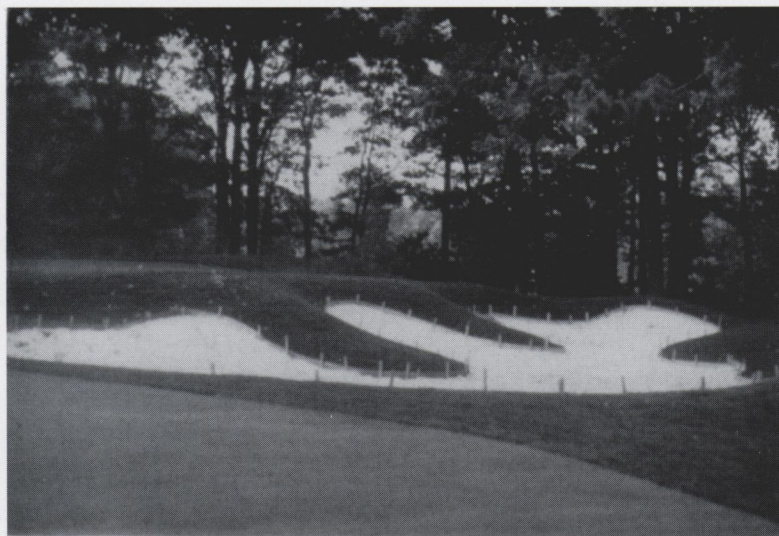
My mandate was to redevelop the magazine with more dynamic, informative content, and make it look more professional through better design. I believe we have achieved this.

It is curious we would take steps now to retrench the magazine at a time when the golf industry is suffering. With a presentable format we also have a logical forum to be more proactive. The Association should be speaking out about our positive contributions to the environment, the changes which will occur in golf course turf management and reaching out to the new generation to let them know what an honourable profession greenkeeping is.

With wider, and more public distribution, GREENS can help achieve these and other objectives, including increasing advertising revenues.

We have worked hard to develop this magazine and we hope you are proud of it. I am disappointed in this direction and would be pleased to hear any comments.

DOUG SUTER
Editor



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Trees can be protected

BY GREG HILL

Maple Hill Tree Services

On the golf course, specimen trees, or trees which come into play are normally well-maintained and nurtured through pruning, feeding and monitoring. But, all too often these valuable trees are being destroyed by the most destructive of all natural forces - lightning.

All trees are exposed and vulnerable lightning targets no matter their location - hillside, knoll or mountain top.

Trees offer an inviting target for this electrical menace because they are pointed objects and function like lightning rods.

They assist the positive ground charge to reach up to the negative stroke as it is released from the thunderclouds overhead.

They are struck by lightning because they are better conductors of electricity than the air. Wood by itself is a poor conductor and, therefore, offers strong resistance to the flow of the electrical current. But lightning will not be denied, and all too often the tree suffers the tragic consequences. It is either totally destroyed or badly scarred and likely to cause a slow death.

The degree of harm to an unprotected tree depends on several factors. These include the voltage, amperage and the duration of the lightning flash. Other factors are the age

of the tree, its health and vulnerability to injury. As well, the ability of the tree species to recover, plus the subsequent treatment provided by an Arborist are important contributors to survival.

Certain trees are more likely lightning targets than others. Height, depth of roots, health, species, type of soil, elevation and location are all factors. A long-term study showed that the ten tree species most often struck by lightning are (in order): oak, elm, pine, tulip tree, poplar, ash, maple, sycamore, hemlock and spruce.

Beech, birch and horse chestnut are the species struck least often. Whatever the species, favourite lightning targets are the lone tree, the tallest tree in a stand and a tall tree at the end of a row or at the edge of a grove nearest the approaching storm.

When lightning strikes a tree, it may either follow a path down the outside of the bark or down the sapwood under the bark. Sometimes, it will even penetrate the heartwood. The route it will take often depends on the size of the stroke, weather conditions, the health and species of tree. Because of these variables, actual damage to the tree may range from a narrow strip-ping of the bark to complete devastation

where the tree is literally blown apart, or reduced to splinters.

Apparently what happens within the tree when a lightning strike occurs, is a transfer of heat from the stroke caused by the resistance of the poor conductability of wood. The heat causes the moisture in the cells of the wood to expand, thus causing a strip of bark to be blown off or the tree to be completely shattered. Another theory is that there is a chemical breakdown in the tissues created by the electrical current, or energy in the form of heat, producing gas or steam with explosive results.

Of all the trees which survive a strike, more than half will eventually die because of the traumatic damage or opportunistic insects and disease. When bark beetles attack a single lightning-damaged tree, they may then make a mass attack on surrounding trees.

The lightning protection system

Lightning protection equipment made especially for trees should be used. Sub-standard copper cable can be expected to vaporize during a lightning discharge of any magnitude, resulting in destruction of severe injury to the tree.

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• **A lightning protection system for trees consists of four main parts:**

the copper air terminals; copper braided conductor cables; copper or brass fasteners and adequate grounding.

• **This system is specially designed to move with the natural sway of the tree, is inconspicuous and will not harm it.**

• **These systems should be inspected periodically to ensure the system is still intact.**

Adjustments should be made to the air terminals as necessary.

Lightning protection and the law

There are three things required by law in relation to any lightning protection installation:

1. The installer must be licensed by the Office of the Fire Marshall.
2. Upon completion of each system, a Certificate of Installation must be submitted to the same office.
3. The system will then be inspected by that office and must comply with all standards and have a resistance in the complete system of less than 50 ohms.

Likely sites

Recreation areas, such as golf courses, are likely sites of lightning casualties and, in this regard, are second only to those of homes. A study of 1,000 casualties conducted by the Lightning Protection Institute concluded that home incidents are only slightly more frequent with 336 compared with 329 at recreational sites.

On the positive side

The stroke produces significant chemical changes in the atmosphere converting oxygen into ozone. And the heat which it generates unites nitrogen and oxygen to form nitrates and these fall to the ground with rain. This replenishes the soil as plant-producing nutrients.

Maple Hill Tree Services has been licensed by the Office of the Fire Marshall. The company has been installing lightning protection systems on golf courses since 1986. Maple Hill has protected trees at Mississauga, Glen Abbey, The Briars, Point West, St. Georges and York Downs.

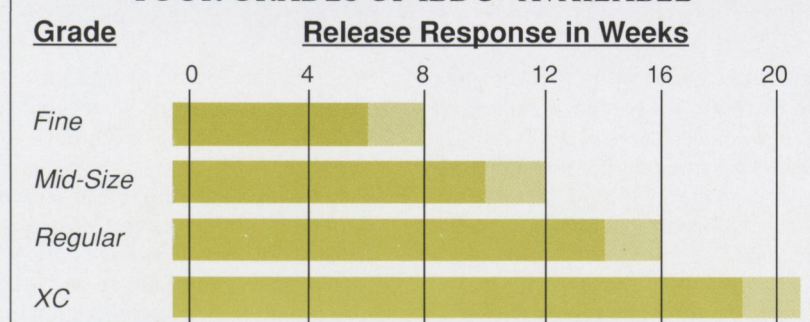


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CAN-AM scrapbook

The OGSA Annual Border Cities Golf Day was held April 18 at Pointe West Golf Club in Amherstburg, Ontario. Approximately 100 golfers attended from Michigan and Ontario. The Canadian team of David Schmelefske, Kelly Barnett, Dan Legros and Rob Davis won the CAN-AM Challenge Cup.

Thanks go out to Matt Cole, Club Professional and Lamont Anderson, Golf Course Superintendent and their staffs for a memorable day.

4



1. (Left to right): Winners David Schmelefske, Kelly Barnett and Dan Legros accept cup (missing Rob Davis).
2. High Kirkpatrick of Westmount demonstrates correct elbows-out putting style.
3. Hamilton's Rhod Trainor exhibits classic left toe out position.
4. Border Cities pals with interlocking grip.
5. Paul Dermott and Simon George check short yardage technique.
6. Turf Care's Rob Davis (left) confers with 'caddie' Rob Fields.
7. (Left to right): OGSA President Bruce Burger of Lakeview, Thom Charters of Weston and Bill Bowen* make a pre-tournament threesome.
8. Vigoro's Daisy Moore (left) and Mary Beth of Hutcheson flank host Monty Anderson (left).

* Please refer to President's message.

(continued from page 4)

If the products aren't that dangerous, why do professional applicators wear protective gear?

Applicators work directly with pesticides and are exposed more often than golfers. Pesticide label directions require that applicators take certain precautions based on the assumption that the same person will be repeatedly exposed to the some product over many years. These may include use of rubber gloves, goggles, respirators or protective clothing.

Some media stories suggest that pesticides are linked to cancer

Most official product testing focuses on this question. A recent study commissioned by GCSAA to examine causes of death amongst members found some higher rates of certain cancers. But, researchers said that no cause and effect relationship could be established from the data.

Do properly applied chemicals pose a threat to groundwater, lakes or streams?

No. Studies consistently show that a well-managed golf course can actually improve water quality on and around the facility. Research shows that pesticides and fertilizers properly used, do not tend to seep into

groundwater or run off into surface water. Turfgrass is managed so efficiently that there is little chance of harm.

What kind of training and education do superintendents and applicators have?

Most superintendents have college degrees in agronomy, horticulture or a related field. The majority also attend continuing education programs. They are considered to be among the best-educated and most judicious users of pesticide products and integrated pest management. Applicators are also trained and licensed.



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Green is beautiful

Association cuts

Golf events

OGSA

Spring Field Day

This year's event at the Cutten club in Guelph took place May 30. Host Superintendent Richard Creed had the course in magnificent condition. Ninety-eight industry people participated.

Thanks to Richard and his staff, General Manager Anita Goodman, Jeff Rush and the clubhouse staff for their attentiveness; thanks to Head Professional Bob Kennedy and staff for scoring; and to Dennis Muir and Pam Charbonneau for their tour of Guelph Turfgrass Institute facilities. Winners include: Thom Charters and Bruce Burger for low gross (73); and John Taylor, low net.

Upcoming

The remaining two rounds in the **Georgian Bay Golf Superintendents Association** medal play five event will be: **Tuesday, August 23 (Lake St. George, Greg Louth, host)** **Tuesday, September 13 (Horseshoe Resort, John Hughes, host)** For cart and reservations call: (705) 835-3125

Greater London and Area Golf Superintendents thank Theo Versteegh and Tim Thurston for hosting the first event of the season. Thirty-five players enjoyed the beautiful Mt. Elgin club. **Three events remain: August 11 (Fanshawe); September 20 (Forset City National); October 8 (Llyindinshire)**

Green is beautiful

Product contours

News and information

OGSA

Par-Aide Divot Mate

The new *Divot Mate* entrusts the chore to players of the time-consuming task of reseeding divots.

Designed as a sand'n seed bucket, it offers a variety of other course uses as well. Ruggedly constructed, it boasts a deep, four gallon capacity with hinged lid. A broken tee container is positioned at the back.

Divot Mate complements *Trash Mates* and both encourage player involvement with course upkeep.

For more information, contact: *Par Aide Products Company* at 3565 Hoffman Road East, St. Paul, MN 55110. For the name of the *Par Aide* dealer nearest you, call: (612) 779-9851.

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- **Butch Middleton** as sales representative for Eastern Ontario and Ottawa Valley (with the support of Loch March Golf Club as a servicing depot) will be responsible for all Toro Equipment, E-Z-GO golf Cars, Par Ex Fertilizers, Shindaiwa Power Tools and Irrigation parts and supplies.

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BY JENNIFER HALE

Plant Products Co. Ltd.

Beneficial insects for control of plant pests in the home garden and landscape*Get bugs working for you if you are suffering from any of these ailments:*

- Aphids enjoying your roses before you can.
- Spider mites consuming your greenery.
- Whiteflies and blackflies buzzing around your garden and houseplants.

Commercial greenhouse vegetable growers have been using beneficial insects to control their pests for many years now. These beneficials are natural enemies of the pest (usually also native) and a great deal of research and experimentation has taken place to optimize rates and timing of introductions.

The details are a lot trickier than for chemical applications, as might be imagined. This is because bugs generally take longer in being effective. Thus early introductions,

when pests are just detected, are very important. As well, pesticide residues, if other pests must be treated, will be harmful to the beneficial. Finally, if environmental conditions are not good enough for the beneficial, it will not thrive.

Here is a primer on using beneficials to control aphids and fungus gnats in the home and garden. Other information is available for controlling spidermites and whiteflies.

Aphids

Aphids are common pests which cause a great deal of damage to a wide variety of plants. They should be controlled because of their feeding damage, unsightly honeydew, and potential for plant virus transmission. Damage is caused when aphids feed on the juices of the leaves and young shoots, and secrete a sticky substance (honeydew) that soils plants.

The aphid predator (*Aphidoletes aphidimyza*) is a hardy, native midge fly which lays its eggs among aphid colonies. The orange larvae (immature stage) feed

exclusively on aphids often killing many more than they consume. After 3-5 days, the larvae drop from the plants and burrow into the soil to pupate. Adults, when they emerge, search for other aphid colonies, thus continuing the cycle and giving season-long control.

This beneficial insect controls over 60 species of aphids that feed on vegetables, flowers, trees, shrubs and roses. These predators will feed on exposed stages of aphids, but will not control wooly, root or gall aphids. They should only be released when aphids have been seen on plants since the adult midge lays her eggs only in aphid colonies. The midge is very hardy and overwinters outdoors anywhere in Canada.

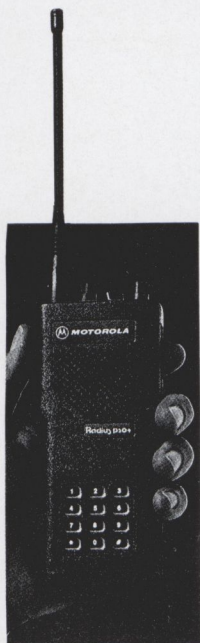
If aphid numbers are high, wash aphids from plants with water or spray with insecticidal soap before release. Keep the aphid predator package warm indoors (22-25 degrees C, 70-75 degrees F), and in the shade until the adult flies (midges) start to emerge (usually within two weeks).

When the adults are visible, release flies

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Head wrench speaks out

BY RAY JOYCE

Turf equipment manager
St. George's Golf and Country Club

at dusk on calm days by removing the lid and placing the container open in the garden. Once released, avoid using insecticides since they will harm the beneficial.

Common fungicides (captan, ferbam and manzate) do not harm the aphid predator. You'll know when the predator is working when small, bright orange midge larvae in the aphid colonies are discovered.

Fungus gnats

These can be pests in greenhouses, indoor plants and gardens because of their feeding damage to roots, disease transmission and nuisance to people. The presence of fungus gnats is often determined by identifying the adult stage. It is a small, black midge-like insect with long legs. The tiny black-headed worm-like larvae (or immature stage) found in the soil causes the damage to roots and transmits disease.

The fungus gnat predator (*Hypoaspis miles*) is a tiny, light brown or tan mite that naturally inhabits the top layer of soil. The
(continued on page 14)

A different bedtime story

After arriving home after one more twelve-hour day, my five-year-old daughter Jennifer asked me where I worked. Instead of a bedtime story, I took the opportunity to explain.

I proudly told Jennifer of St. George's and its rich history with ties to Canadian Pacific Railway. And of the Royal York Hotel, the great golf architect Stanley Thompson, and the castle-like (she would think so) clubhouse. I reflected back 24 years to a time as a student when I worked part-time as a delivery driver for a party goods rental company. Then, I would drop off chairs, tables and linens to all the golf clubs in the west end. I told her of the 25 foot Christmas tree I saw one year in the rotunda of St. Georges, and of the visual impact of the clubhouse in the snow with its festive lights twinkling.

Finally, after memories faded, I got back to present day and went on to explain my duties as Turf Equipment Manager at 'one of Canada's top five golf courses'. Never one to easily fall asleep, I asked her if I had answered her question, the wide-awake Jennifer said, "Yes, daddy . . . but, what about the animals?"

What animals?

Since I didn't mention the crew in my story, I was perplexed. I asked for an explanation. "The animals in the barn", she replied.

And there it was, the term used by members and old-time staff. 'The barn', the term that gets my back up. I demanded to know where she had heard this.

Realizing she was on unsure ground, the response was cautious. "Well, tonight after supper, mommy tried to call you at work to find out what time you would be home. Some lady answered and said she was sure that no one was still in the barn at that time of day and mommy should try again tomorrow."

After kissing Jennifer goodnight and promising to take her to work one day, I went to the living room and started the notes for this article.

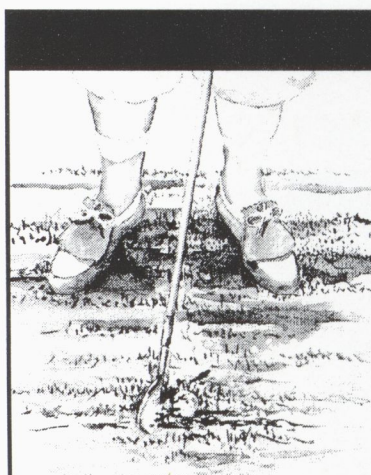
To be sure, there is (at least at this writing) a barn on the property of St. Georges. It has some local history and served as a repair facility and a machinery shed during a more simple time in the club's past. A time of gang mowers and tractors and, yes, Canadian Opens. But for the past six years, the nearly one million dollar turf equipment inventory has been housed in a modern, although cramped, storage and repair facility.

Barn indeed

The image conjured up is one of unprofessional people doing unprofessional work. I take fierce pride in what I do because in our field we produce more with less. It is simple to solve problems by throwing money around. You want proof? Look at how most clubhouse operations work. Got a broken window, call the glass people. Broken vacuum, get the yellow pages.

Although a broken shaft on a \$1,200 hydraulic pump from a \$30,000 fairway mower is a \$250 part purchase, the downtime in fixing this is the same as if I had bought a new pump in the first

(continued on page 14)




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History courses

Twenty years ago

OGSA

BY BARRY ENDICOTT

Nobleton Lakes Golf Club

In 1974, OGSA was celebrating its 50th anniversary, The Board of Directors were **Bob Heron** (President), **Paul Dermott** (Vice-president), **Al Beene** (secretary), **Whitey Jones**, **Bob Hall**, **John Stoughton**, **Cameron Airncross**, **Carl Bennet**, **Helmut Kopp**, **Paul Scenna**, **Jim Wylie** (Past President) and **Ross Haines** (Newsletter Editor).

There was a monthly meeting in February at Uplands in Thornhill hosted by **Helmut Kopp**. It was a combined skiing, business and lecture meeting. Other meetings were held at North Halton, Bayview, Galt, PGA National and Oshawa golf clubs. The GCSAA Conference and Show was held in Anaheim, California. The RCGA Turfgrass Conference was held in Winnipeg, Manitoba.

New members joining were **Ken Wright** (Northwood), **Wendell Dymont** (Big Cedar), **Dave Dick** (Sleepy Hollow) and **Gerry Lafarriere** (Garion). Annual dues were increased from \$20 to \$30.

The fourth annual OGSA Turfgrass Symposium was January 3 at Lambton with **Jim Wylie** as host. Seventy-five people attended and **Keith Nesbit** was the Session Chairman for the day.

Superintendents met at the Centennial Arena in Etobicoke between 1 and 2 pm for hockey. **Blake McMaster** (Gormley Green), **Bruce Lewis** (Georgetown), **Whitey Jones** (Aurora), **Helmut Kopp** (Uplands), **Carl Bennet** (Oakville), **Paul Dermott** (Islington), **Bob Heron** (Markland Woods) and **Ron Graham**, who broke his ankle on the first shift, all participated.

Minimum wage was \$1.65 an hour for a student under 18 and working under 28 hours; \$1.90 for a learner during his first month and \$2 an hour for general employees.

Sam DiPinto (Lido) accepted the superintendent position at Beverley. **David Taylor Barnes** passed away in March and **Norm MacDonald**, a past superintendent at York Downs, also passed away. **Stew Mills** helped make ice at the Canadian Curling Championships in London. **Helmut Kopp** won a gold medal at the Hotdog Championships at Blue Mountain and **Steve Miller** moved to Dundas Valley as superintendent. **Jack Harris** retired from Hamilton to build his own golf course and **Stew Mills** moved from London Highlands to Hamilton.

On August 9, the Pro-Superintendent Golf Tournament was held at Brampton with **Ross Haines** as host and the OGSA 50th Anniversary Golf Tournament was held at Lambton with **Jim Wylie** as host. The Christmas dance was held at Richmond Hill on December 14.

(Bugs at work - continued from page 11)

females lay their eggs in the soil and the nymphs and adults feed on small soil-dwelling insects such as fungus gnat larvae, thrips and springtails.

Control is most effective when used before fungus gnat populations become established, or populations are low. Use the fungus gnat predator on house plants and when starting seeds, or transplanting.

To prevent fungus gnats from damaging roots, it is necessary to treat the soil of propagating trays or cell packs, pots and house plants before a fungus gnat problem arises. The fungus gnat predator is easy to apply.

Gently mix the beneficials and a granular carrier (peat and vermiculite), then distribute the contents over pots and trays. Place the empty container among the plants releasing any remaining beneficial mites.

When beneficial mites are visible in the soil, the predator is working. As well, the number of adult fungus gnats will be reduced.

These beneficials have proven to be effective in commercial operations. Homeowners need to be patient. Control in general will be slow and only rarely will the pest be completely eliminated.

But, each is quite specific for the indicated pest, thus there is no chance that they will harm people, pets, plants or other beneficials.

If you wish to try one of nature's own pest controls, contact Plant Products Co. Ltd. at (905) 793-7000. We will direct you to our nearest garden centre supplier.

(Head wrench - continued from page 11)

place. Why bother? Because of the routine 10 to 12 hour days, pride and professionalism.

Image problem due to myth

The myth is that turf equipment mechanics do not dabble in their chosen venue. The government has decided that golf course equipment repair is a separate field and, therefore, a licensable profession. A single piece of paper is not going to reverse years of ingrained thinking that mechanics are slow-witted cousins who didn't do well in school, but 'were good with their hands'.

This image problem exists. It perpetuates. And it needs to be addressed by all parties concerned. How many times have unfamiliar people come into our repair facilities, asked to speak to the superintendent, then left without a word? How many telephone messages have you diligently taken by these same individuals, but you can't put a face to the name?

As long as I live, I will never forget the day I met our new General Manager. Chauffeured to the shop on a freshly polished golf cart, the superintendent stopped dead centre of the open bay door and announced, "Mr. Murphy, this is our new equipment lift".

"Very nice", was the reply. "And who is the fellow working under the raised machine?"

"He's our mechanic", was the answer. "Does the mechanic have a name?". prompted the GM.

After a very hurried introduction he said it had been a pleasure meeting me to which I replied that it is a pleasure to meet anyone. In conclusion, people of the wrench, remember the first step in an image upgrade is a good old-fashioned barn burning. It is long overdue.



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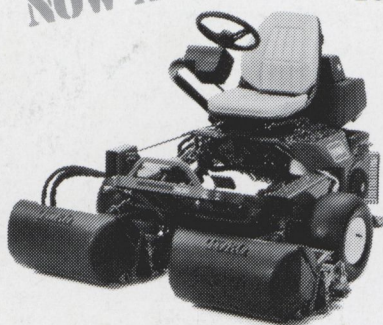
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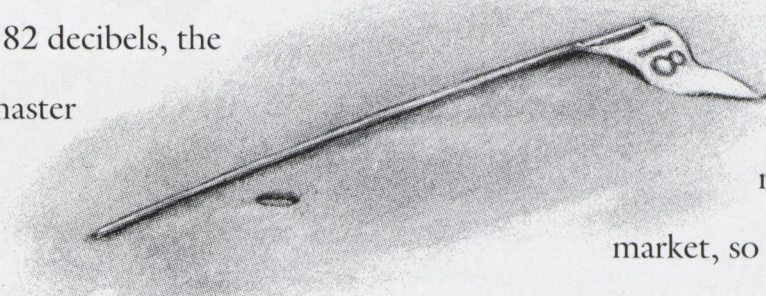
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