PennLinks is Paradise at the End of 'Hell's Half Acre'

"Our Number 14 'Hell's Half Acre' is certainly the most discussed hole on our course. A 600 yard, par five with bunkers across the fairway 400 yards from the championship tee, it's a treacherous trek to paradise.

"The reward for powerful strokes and crafty strategy is the PennLinks green that finishes the hole.

"Members welcome the predictability and consistency of this and the other greens on our course.

"All 18 greens were redone in the fall of 1991, and were in play the following spring. We gassed the existing grasses before renovating and reseeding our soil greens. Based on my prior success with PennLinks creeping bentgrass, I felt secure in specifying PennLinks. Even with our heat and humid conditions, it survives and thrives in Baltimore.

"Once our members reach the paradise at the end of 'Hell's Half Acre', they never look back.

"But they sure do talk about it".

Douglas W. Petersan, Supt.
Baltimore Country Club
Timonium, Maryland

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Good business: know the customer, and then some

Not surprisingly, I own a car. More accurately, the bank owns a car that I occasionally drive.

This particular vehicle was assembled in America, though the automaker is decidedly non-American.

Do I want my hard-earned cash siphoned from this country, into the pockets of some fabulously wealthy foreigner? I'm not ecstatic over the idea. But it's happening.

Seeing my dollars turned to yen (or marks, or whatever) before they reach the final destination, you see, is the lesser of two evils. A worse scenario would have me stuck on a back country road some night with a piece of equipment that refuses to awaken from a mechanic's nap.

It doesn't matter that I'm paying $19,000 for a machine that probably cost a fraction of that in parts and labor on the assembly line. I'm quite willing to pay extra for peace of mind.

What blows my mind is that the carmaker apparently knew this long time ago!

The carmaker also knew that when I needed a new car, I would seek the advice of friends and acquaintances.

The carmaker knew that I would be willing to pay extra for resale value.

The carmaker knew that I would gladly pay a little extra for first-rate maintenance service, as long as the personnel at the dealership were respectful, prompt, efficient, and knowledgeable.

Somehow, I'm thinking, this particular carmaker knew exactly what I wanted before I wanted it!

So, you see, I don't feel bad about giving him my business, no matter where he lives. The people at his company are on the ball, and I reward them for it. They may not be American, but they certainly value American business.

The point to this whole story is that the American consumer, with whom you deal, is not as fickle as you might be led to believe. His or her loyalty can be bought, just like you can buy anything else in this great country of ours.

When I refer to "customer," of course, I'm referring to the people who view and/or use the landscapes you maintain. In some cases, they are homeowners; in some cases they are golfers; in some cases they are the parents of Little Leaguers. But in all cases, they are the people who give you the license to make a living.

The key is knowing what customers want, and how they want it—before they want it, if possible. When you can determine that—hey—the selling part is easy.
All across America, people are saying beautiful things about pendimethalin.

Jim Miller of Emerald Green Lawn Care tells us, “When we compare preemergent results with price, we always return to pendimethalin.”

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And it’s labeled for numerous ornamentals as well.

For truly praiseworthy turf, discover pendimethalin. The unbeatable preemergent turf herbicide.

**Pendimethalin**
Nothing Beats Pendimethalin.

Always read and follow label directions.
10 Cover story:
Your 'super' future
Technology, communications, our changing society. All will have an impact on 'the keeping of the green.' Here's a look into the not-so-distant future of the golf course superintendent.
Jerry Roche

11 Seeing the future
Communications, water and the environment, and safety. These are the future of golf course management, according to superintendent Michael Tellier of La Quinta Hotel Golf and Tennis Resort, La Quinta, Calif.
Suz Trusty

13 LM Reports:
Reel mowers
Budget cuts and time constraints make the reel mower the most important piece of equipment you own. Here's a rundown on the newest greens and fairway mowers for 1994.
Terry McIver

19 Smart scheduling
Versatility is the key to this super-efficient maintenance agency in Gainesville, Ga. The city's parks and athletic fields are thus kept pristine.

20 Rainy day training
Video training sessions may not be as entertaining as 'Tool Time,' but—when properly conducted—are much more informative.
Jerry Roche

24 Selecting an accountant
Rule No. 1: There are no set ratios for what you should pay. It depends on your location and volume of work. Shop for value.
Dan Sautner

28 Time-saving PGRs
PGRs are used for growth management, trimming and edging. They can be valuable time- and money-saving materials.

29 Making the cuts
Landscaping maintenance budgets everywhere are being cut. But in the upscale Upper Arlington, Ohio school system, public support and versatile crews help stretch shrinking dollars.
Jerry Roche

32 1993 Article index

38 Fertilization with irrigation
Imagine being able to fertilize an entire golf course or commercial landscape overnight with no labor. Imagine prescription feeding turfgrass with a predictable degree of efficacy and efficiency. Imagine fertigation.
Ed Nash

40 Seashore paspalum
Great for its salt tolerance, this sub-tropical grass can answer water restriction woes. It does, however, have a problem resisting some weeds.
44 Retrofitting for effluent
Golf courses in southern California, Arizona and south Florida find effluent water for irrigation the best way to go. But it’s not an easy process to convert from potable water irrigation.
Ron Hall

48 Design/build from the top
Gary Kinman gets the big jobs—$250,000 properties and more—because he educates clients to the value of well-designed, well-built landscapes.
Ron Hall

50 Selling the benefits
To win commercial accounts where there are in-house crews, stress the low cost, high efficiency and high level of expertise you can offer.
Terry Mclver

52 Helping a friend
It took Doug Tyrrell 10 years to build a lawn care company, and it almost ended in an instant on July 10th of last year.
Ron Hall

59 Events

60 Info-Center

62 Product Showcase

67 Classified

68 Ad Index

HOT TOPICS

56 A new GCSAA chief
Steve Mona is named executive director for the Golf Course Superintendents Association of America. Other positions are also named.
Jerry Roche

DEPARTMENTS

1 As We See It

8 Ask the Expert

53 LM Grapevine

59 Events

On the cover: Springvale Country Club in North Olmsted, Ohio, a semi-private course run by LM advisory panel member Bill Prest.

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You might think using less insecticide means you'll have to put up with more insects. But that's not necessarily the case. Because how you use your insecticide is as important as how much you use. With the right tactics, you can use a lot less and still get excellent results.

Here's an example. Mixing insecticide with insecticidal soap can reduce the amount of insecticide you need on your ornamentals by about 50 percent. Soap controls most soft-bodied insects and mites. By adding insecticide, you'll also take care of tougher insects, like scales and worms. University studies suggest you may get better control than you get with insecticide alone.

A few ways to balance your love for the en...
Studies show that Dursban delivers better chinch bug control at lower rates than other insecticides.

Knowing exactly when to apply insecticide helps, too. One way to monitor mole crickets, chinch bugs, webworms and cutworms is by mixing 1 1/2 oz. of dish soap in two gallons of water and sprinkling it. This soapy mixture will flush insects to the surface, and you can apply insecticide accordingly.

Your insecticide itself can also make a difference. After all, different insecticides work at different rates. Which is why Dursban insecticide could be your best choice.

Just one pound active ingredient per acre gives you the most consistent broad spectrum insect control available at such a low rate. Dursban even controls fire ants.

And Dursban also gives you plenty of application flexibility. It's available as a liquid, dry flowable, wettable powder in water soluble packets, granule, fertilizer or bait.

Now, we realize you probably have some questions. That's why we created The Turf Manager's Guide To Responsible Pest Management. It's 44 pages packed with comprehensive information on the latest techniques for controlling insects, weeds and turf diseases.

For a free copy return the coupon, or call our toll-free telephone number. Because when you apply a little knowledge, you don't need to apply as much insecticide.

Why Adults Should Spend Time Catching Bugs.

If you want better results from the insecticide you use, insect traps can help. They allow you to find out when certain pest insects are present and time your insecticide applications accordingly. Insect traps are inexpensive, easy to use and they'll help you get greater control using less insecticide.

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The chemistry is right.

Trademark of DowElanco. © 1994 DowElanco. Dursban is available in liquid, dry flowable, granular and fertilizer formulations. Always read and follow label directions.
Curing fire blight
Problem: We have been seeing fire blight disease on a number of rosaceous plants in our area. Please provide a list of resistant or tolerant plants for planting. (Kentucky)
Solution: Fire blight disease caused by bacterium is a serious problem found on commercial and residential properties on a number of rosaceous plants. Dr. John Hartman from the University of Kentucky reports that landscape plants such as bramble, cotoneaster, crabapple, flowering pear, hawthorn, mountain ash, pyracantha, serviceberry and spirea are susceptible to fire blight disease in your area. Dr. Hartman suggests using the following plant materials obtained from different sources to prevent losses to fire blight:
- Tolerant ornamental pears: Alfred, Autumn Blaze, Bradford, Capitol, Cleveland Select, Fauriei and Whitehouse.
- Resistant spirea: S. prunifolia (bridal wreath).
- Chipco Aliette WDG received an EPA label approval for management of fire blight disease on ornamental pear, pyracantha and hawthorne as of March 29, 1993. At this time the label did not include other important landscape ornamental plants such as crabapple or mountain ash, which are also susceptible to fire blight disease.

(“Rhone Poulenc’s Aliette WDG lists fire blight suppression “to plants such as ornamental pear, pyracantha and hawthorne.” It is not currently registered in California.—Ed.)

The foliar applications should be made in conjunction with a strict sanitation program to reduce the spread of the disease to uninfected plants. Mix 25 lbs. of the product in 100 gal. of water for treating the foliage. It works as a preventive treatment. Therefore, it is important to apply the treatments early around pre-bloom stage and repeat at seven-day intervals until bloom period ends. Aliette is not registered in California. Read and follow label specifications.

Moss management in lawns
Problem: How is moss managed in lawns? We have tried insecticidal soap on golf greens without any luck. (Pennsylvania)
Solution: Establishment of moss and algae is generally associated with factors such as low fertility, poor drainage, too much shade, soil compaction, wet conditions, poor air circulation or a combination of these factors. There are more than 13,000 types of mosses, with about 50 common in your area. Some appear to be associated with acidic soil and some others associated with alkaline soil conditions. Most species grow under a wide range of soil reactions. The insecticidal soap you have used is not labelled to manage moss.

However, Mycogen Corporation (in San Diego; 619-453-8030) has another fatty acid chemistry-based material called DeMoss, which is designed to manage moss on golf greens and other high value turfgrass. DeMoss contains potassium salts of fatty acids which are extracted from plant and/or animal sources. DeMoss acts upon contact by disrupting the cuticle and cellular membranes of moss, resulting in drying and death. It is active only while in solution, therefore it is important to have proper coverage and contact with most plants to be effective.

This material may foam while mixing; therefore, use a defoaming agent.

To manage moss, identify the primary reasons why moss is growing in a particular location and provide corrective measures.

- Ammonium sulfate (10 lbs./1000 sq. ft.) applied on actively growing moss plants has reportedly been effective. Ammonium sulfate can also help the turf fill in as the moss thins out.
- Copper sulfate (3 tbsp. in 5 gal. water/1000 sq. ft.) can also be used to manage moss problems. Copper sulfate can stain and is difficult to remove from clothing, so wear protective clothing and gloves.

The DeMoss herbicide is another option. Along with chemical management, it is important to make conditions favorable for the turfgrass to be more aggressive and fill in open bare spots. In some situations, consider overseeding if the lawn is thin.

Need a liquid slow-release fertilizer
Problem: Is there a liquid slow-release type of fertilizer for turf and ornamental plants?
Solution: Cleary’s FLUF can be used. FLUF stands for flowable liquid urea formaldehyde. The analysis is 18-0-0. It can be used for turfgrass, in a nursery or trees on a program basis. The W.A. Cleary Chemical Corp. is in Somerset, New Jersey; (800) 524-1662. FLUF provides a continuously uniform and moderately slow release of nitrogen. It contains 7.2% methane urea nitrogen, 4.5% water-insoluble nitrogen and 6.3% urea nitrogen.

There are anumber of other liquid sources of fertilizer with low burn qualities, but they are not slow-release. FLUF is the only flowable available in the turf and ornamental markets.

Dr. Balakrishna Rao is Manager of Research and Technical Development for the Davey Tree Co., Kent, Ohio.

Mail questions to “Ask the Expert,” Landscape Management, 7500 Old Oak Blvd., Cleveland, OH 44130. Please allow two to three months for an answer to appear in the magazine.
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Technology, communications, our changing society—all will have an impact on ‘the keeping of the green.’

As the decades pass, our pace of life is accelerating, almost exponentially. Consider these trends in technology and communications:

**Just 150 years ago, it took weeks for news to travel from coast to coast via the Pony Express. About 100 years ago, it took minutes, via the Marconi wireless. But in 1951, on the television show “See It Now,” Edward R. Murrow visually linked the East and West coasts for the first time. Today, physicists can see live pictures from deep space, millions of miles away.**

**Just 150 years ago, the fastest speed reached by man was a mere 36 miles per hour, in a steam locomotive. In 1947, Col. Chuck Yeager reached a speed of 700 mph in an experimental X-1 jet plane. In 1969, the Apollo 10 space capsule plummeted back to Earth, from the moon, at a speed of 24,791 mph.**

Following the trend—In the 1990s and beyond, golf course maintenance promises to follow this trend: technology and communications will explode, and superintendents will have to be more knowledgeable than ever before.

"Golf course superintendents will have to have an incredible love of the business because of the things they'll be subjected to," says Tim Hiers of Collier’s Reserve, Naples, Fla. He thinks efficiency will be the key to the golf course of the future.

"Efficiency in water use, pesticide use, integrated pest management," he says. "And it’s not just going to be the superintendent—it's going to be the secretaries and dust broom guys helping out, too."

Hiers also thinks that:
1) The superintendent will have to be a better time manager and a better personnel manager because of the competition for good employees.
2) More “fuel-efficient and lighter-weight equipment” will be developed.
3) Community relations will play an even bigger role in the job description.

"I see the superintendent getting involved in the local community defending golf courses. Even today, we're starting to walk elementary kids through the courses to show how we're helping the environment."

Techno-golf—Dr. Jeff Nus of the Golf Course Superintendents Association of America sees a boom in technology that will show the way toward "micro-environment manipulation."

"The level of sophistication in equipment is increasing by leaps and bounds," Nus notes. "You’ll see equipment used to manipulate the environment, specifically to grow bentgrass outside its normal environment. Fans that can circulate either warm or cool air, as needed, and soil warming systems will take the forefront, Nus believes. In the Midwest, for instance, these innovations—which are already being used in the South—may even lengthen the golfing season past the..."