Introducing the New Toro® Groundsmaster® 3500-D.

The new 3500-D is the only rotary trim mower on the market that gives you a tournament quality cut. With its patent-pending Contour™ Plus decks, you’re ensured of the cleanest cut while virtually eliminating scalping. And with the rotary deck’s rear rollers, you can have tournament quality striping every day. The 3500-D. There’s never been anything like it. Until now. To learn more, see your Toro distributor. Or visit us at www.toro.com.

There’s a reason you’ve never heard of a rotary trim mower.

Until now there wasn’t one.

Thanks to the popular Sidewinder™ cutting system, you can now trim around trees, ponds and bunkers, plus vary your tire tracking, easier than ever.
Your field is only as good as its foundation.

Every blade of grass depends on the soil beneath it. On the soil microbes that feed it. And nothing provides food and energy to soil microbes like Nitroform urcaform. It releases the right amount at the right time. Only when grass needs it. The controlled release of Nitroform gives you six months or more of turf-growing benefits and even longer-lasting payoffs for your soil. Nitroform fights the effects of heat, traffic and drought. It helps develop roots and reduce thatch. Have your fertilizer supplier make Nitroform the foundation of your fertilizer program.
Cover Story

20 Sports Field Maintenance with Reels and Rotaries
Dale Getz, CSFM, shares his knowledge of sports field maintenance with an in-depth look at mowing practices and tips.

Main Events

10 Mower Efficiency: Properly Selecting the Right Mower for One's Needs
How to select the ideal mower or mowers for your site

14 McGill Field of Lebanon Valley College Earns College Baseball Field of the Year Honors
Steve and Suz Trusty profile this award-winning field.

30 Motivating and Retaining Quality Employees
Steve Keating of Toro offers advice on how to manage and take care of your most valuable asset—your employees.

Web Site Content

www.sportsturfonline.com
STMA Newsletter
Editor's Review: Industry News
Show Calendar
Reader Survey
Rookies

Line-Up

• Front Office ..................6
• Calendar ......................6
• STMA Message ..............9
• Rookies ......................28
• Chapter News ..............36
• Classifieds .................41
• Advertisers' Index .......41
• Q&A ..........................42

On the Cover:

Tima's line crew for Super Bowl XXXV. Photo by Steve Keating.
The number-one brands in the business are now the top team in turf. Individually, Bob-Cat®, Bunton®, Cushman®, Jacobsen®, Ransomes® and Ryan® have been all-star performers for years. Together, Textron Golf & Turf has the most experienced lineup around.

On the field, our comprehensive line of mowers, aerators, infield rakes, utility vehicles, seeders and sprayers put up winning numbers. Off the field, easy maintenance and robust design keep them running for years. If you're ready to put some real winners on your field, call 1-888-992-TURF today or visit us at www.ttcsp.textron.com
Green is gold in Illinois

So just how big is this green industry that we are involved in? The numbers have been fuzzy and hard to define, but a recent study in my home state of Illinois has added some clarity to matter, and the numbers are staggering.

"Preliminary estimates show that, in 1999, the product and service sectors of Illinois' green industry generated nearly $2.9 billion in sales," said Gary Rolfe, professor and head of the University of Illinois Department of Natural Resources and Environmental Sciences.

These sales figures place the green industry ahead of the more traditional agricultural commodities in economic importance to the state economy. In comparison, total cash receipts from corn stand at $2.56 million, soybeans at $2.1 million, hogs and pigs at $646,000 and cattle at $490,000.

"I was surprised by the numbers," said Greg Oltman, GRO Horticultural Enterprises, Inc., of Union, Ill. "In many ways we are an agricultural industry and the numbers show that we stack up very well with more traditional agriculture sectors."

Rolfe sees the survey as a rallying point for the industry's many small associations. "I don't think anyone had a clue that the green industry was as large as it turned out to be. It's a very important piece of information that could help influence legislative initiatives and bring more research dollars to this important sector," he said.

The survey identified more than 9,000 green industry businesses in Illinois and more than 2.3 million end-users of green industry products and services. It estimates that the green industry product and service sectors employ nearly 74,000 workers with an annual payroll of more than $1 billion. Overall, the green industry employs a workforce of nearly 160,000 people with a payroll more than $1.74 billion.

The fair market value of all assets directly associated with producing, selling or maintaining green areas and plants in Illinois is more than $8 billion.

According to Rolfe, the employment and income multipliers associated with the green industry are 1.52 and 2.70, respectively. This means that for every job created within the green industry, an additional 0.52 jobs are created within the overall state economy, and for every dollar paid in green industry wages and salaries, an additional $1.70 in wages and salaries are paid within the overall state economy.

The overall combined value of green industry product sales, service receipts and end-user payrolls amounts to more than $3.9 billion.

More than 12,000 survey questionnaires were mailed, producing an overall response rate of 31 percent. The University of Illinois study was funded, in part, by a coalition of green-industry professional associations.
January 2001 marked the biggest and best STMA Conference ever! More than 1,100 sports turf managers, educators, students and industry suppliers gathered in Tampa to exchange ideas. This took place in the Chapter Officers Training Session, in category sessions, educational sessions, round-table discussions, on-field tours and through constant networking. That networking was already flowing at breakfast, hummed through the breaks and lunches and fairly exploded during the evening receptions and continued long into the night.

On behalf of the STMA Board and staff, I extend thanks to every one of you who attended. It’s the active participation and sharing that are continually raising the level of professionalism throughout this industry—and the friendly and welcoming way it takes place that makes these events so special. This is a great industry, a great group of highly dedicated people who truly want to provide THE BEST sports surfaces for all levels of play.

Now, are you ready to take the next step? Is it time for you to get involved on a chapter or the national level?

During the STMA Annual Meeting, held on Jan 20, four more chapters became affiliated: Mo-Kan, New Jersey, Nebraska and Virginia. That brings our total of affiliated chapters to 23, and others are in various stages of formation. All these chapters need active, supportive volunteers. You might want to make a big commitment and volunteer to serve on a board or a committee. Or, maybe you want to start out on a smaller scale; maybe you could help host a meeting, or give a presentation on your particular area of expertise, or help coordinate a tour of your facility, or help at the registration area or with vendor set-up during a meeting. The chapter contact information is listed in the Chapter News section of this magazine. Or, check out the Web site or give Headquarters a call to make those connections.

With the STMA Strategic Plan moving forward at the National level, there are all sorts of interesting things happening on various committees, and many new subcommittees are taking shape. Interested in exploring the possibilities? Just let me know, or contact Headquarters, and we’ll help you find your niche.

Are you just wondering what all is happening with STMA? Please feel free to contact me, any of the STMA board members, or Headquarters. We’ll be glad to give you the details and answer any questions you might have.

Rich Moffitt  
STMA President  
(314) 977-2956
Mower Efficiency: Properly Selecting the Right Mower for One’s Needs

by Clover V. Shelton, Swanson Russell Associates

Efficient: adj. 1. Acting or producing effectively with a minimum of waste or unnecessary effort. 2. Exhibiting a high ratio of output to input.

When mowing a large number of different types of sports fields, groundskeepers often have a fleet of mowers to choose from upon walking into the storage shed. Is today the day for a large-deck pull-behind or a zero-turning radius mid-mount? What about the out-front or a walk-behind? The choices seem endless.

Most often, this choice is based on efficiency. When assessing efficiency of a mower, a groundskeeper often evaluates the following items:
1. Speed/maneuverability
2. Quality of cut
3. Lack of downtime
4. Multi-purpose use

Speed/Maneuverability

Bill Faherty, Director of Parks, Recreation and Forestry in Chippewa Falls, Wisc., is in the business of managing sports fields including their newest softball complex, four soccer fields and a baseball field. In addition to the Department’s two 60-inch deck, zero-turn mid-mounts, they also use a large utility tractor with a pull-behind, 11-foot mowing deck, an industrial walk-behind and a traditional belly-mount tractor for mowing.

When it comes to speed and maneuverability, Faherty raves about his zero-turn machines. “They are faster than anything in their category, as far as maneuverability, backing-up and moving around. We have a traditional belly-mount, but the zero-turn is way ahead,” he said.

Terry Sheerer, manager of the grounds department at the University of Northern Iowa in Cedar Falls, also has to answer the efficiency question every day. He actively manages 300 acres of sports turf including 15 intramural fields as well as extramural playing fields for competition between colleges and universities. In addition, his crew maintains a football practice field, a baseball and softball field, a women’s soccer field and a high school football field, not to mention a golf practice driving range. Some intramural fields double as soccer and baseball fields.

Mowing each field an average of twice per week, Sheerer has a large fleet including a variety of mowers to