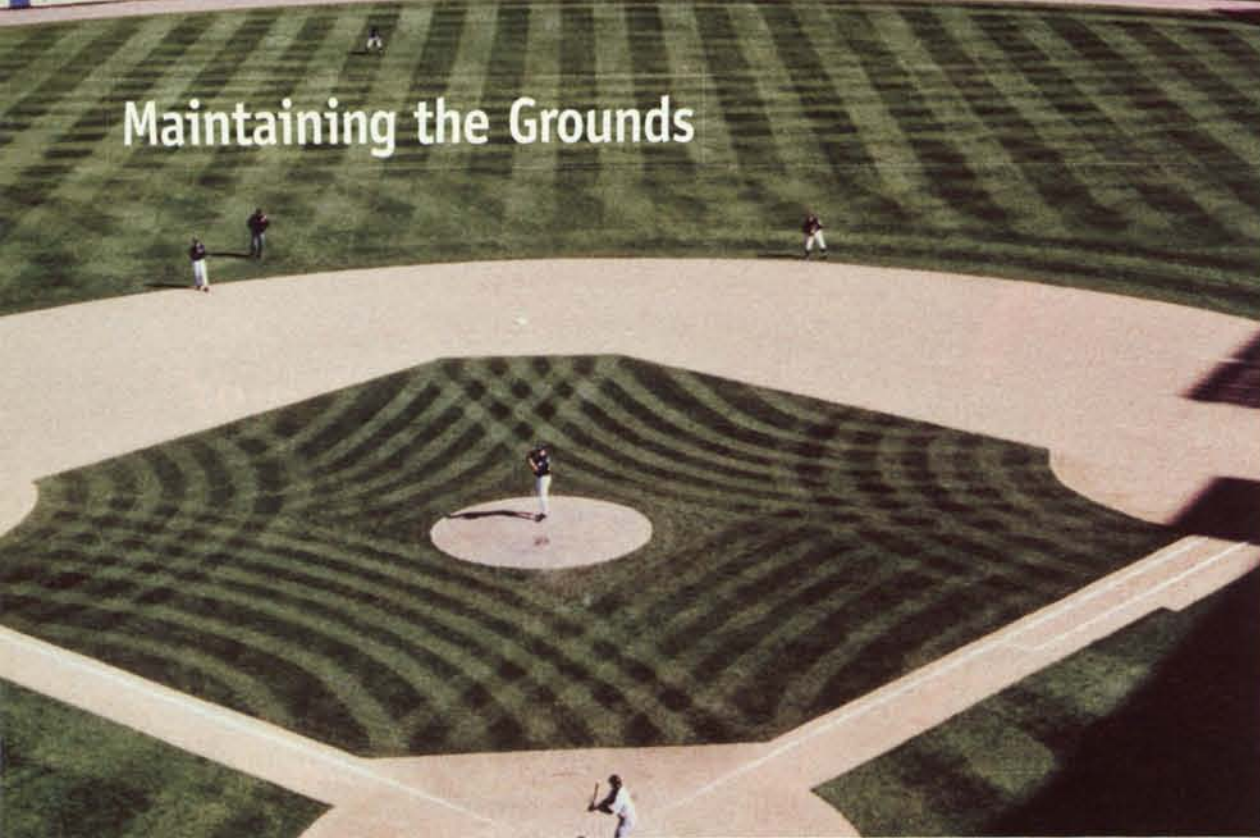


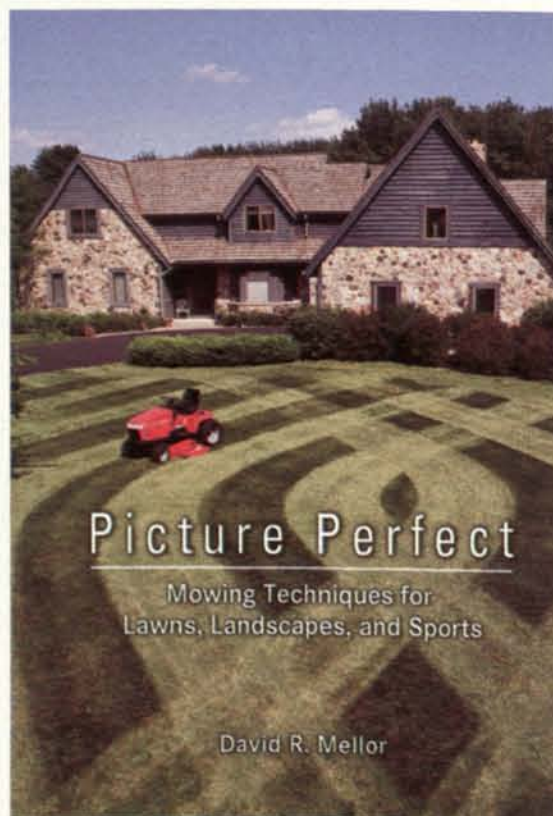
Maintaining the Grounds



Big League innovator a "Rembrandt of groundskeeping" from every row

STMA members' discount

David Mellor's book, *Picture Perfect*, is available through www.industrybooks.com or from Adams Book Guild (see page 9). Sports Turf Managers Association members can buy it at a reduced price through the association, 800-323-3875.



David Mellor changed the way America watches baseball with his innovative waves, diamonds, and other designs mowed into the field at Boston's Fenway Park and other ballparks. In his new book, *Picture Perfect: Mowing Techniques for Lawns, Landscapes, and Sports*, Mellor explains how anyone can turn his or her turf into a showpiece.

Mellor, now the director of grounds for the Boston Red Sox, first came up with the idea of eye-catching designs in grass in 1993 after a Paul McCartney concert in Milwaukee's County Stadium greatly damaged the field. (Maybe "Junior's Farm" really got to the Cheeseheads!)

To draw the crowd's attention away from the worn parts of the field, Mellor, then an assistant at that facility, created a striking design in the ballpark's infield. His innovation quickly caught on in ballparks and fields across the nation, and soon he was crafting patterns of greater and greater complexity.

Now Mellor has literally written the book on the subject.

Picture Perfect gives professional groundskeepers as well as weekend warriors detailed instruction on how to design and create intricate patterns in their grass using any lawn mower and a roller.

"This artwork applies the simple fact that blades of grass that point away from you look light and blades pointing toward you look dark," Mellor says. "*Picture Perfect* gives readers simple, easy-to-follow instructions on how to make their field or fairway, or lawn, an attraction that leaves admirers wondering, 'How'd he do that?'"

Looks neat from ANY row

Broadcaster and former major league player Bob Uecker said of Mellor, "Some artists use canvas to create a work of art. David Mellor uses a baseball field. His patterns are so precise and imaginative, I call him the Rembrandt of groundskeeping. He's a cut above the rest."

Picture Perfect gives you first-hand, step-by-step guidance on creating your own unique patterns. The author says it's easy to do, and requires no special equipment in many cases. You'll learn the basic patterns—checkerboard, stripes, diamonds, waves, arches and circles—in simple step-by-step instructions, along with practical advice on equipment selection and use.

Picture Perfect also teaches the basics of turfgrass management—everything from grass selection to fertilizers and mowing—to help keep private lawns healthy. Patterns are demonstrated in simple instructions followed by dozens of detailed photographs.

Mellor has become a media darling with the release of his book. After *Picture Perfect* was launched in Boston, NBC, CBS, Fox, and some cable networks featured his work. USA Today featured the book on the front page of the sports section in June, shortly after his debut with Bryant Gumbel on *The Early Show*.

The book includes step-by-step instructions for pattern making; 75 color photographs of elaborate patterns for sports, lawns and landscapes; guidance on seeding, fertilization, irrigation, and mowing; and equipment recommendations and examples.

ST



EXMARK'S ULTRAVAC™

The Exmark UltraVac
Commercial Collection System, avail-

able for all Lazer Z®, Lazer Z HP, and Lazer Z XP models, features the multiple-bag collection system. Available with two or three bags, the UltraVac system is balanced to maintain the recognized stability of the Lazer Z units, and its compact size takes up minimal trailer space and makes it easier to work around trees, flower beds, etc.

Other features include: Quick-Attach, which allows you to switch from bagging to side-discharge in minutes without tools; a spindle-driven blower system, which has no auxiliary engine and thus runs more quietly, as well as a five-blade impeller for better collection; large diameter discharge tube to handle large loads with less clogging; and two 32-gal. collection bags (8 bushels total) on the 52-in. Lazer Z models and all Lazer Z HP models, and three 32-gal. (13.5 bushels total) on the 60- and 72-in. Lazer Z XP models.

EXMARK

For more information, circle 152



FAST MACHINE

Hustler® Turf Equipment says its Super Z™ is the fastest Z-rider on the market with a top speed of 15 mph, courtesy of a 25-hp Kawasaki engine, Hydro-Gear BDP21 hydraulic pumps and White CE 18 wheel motors. The unit includes a hydraulic oil cooler to extend its life. And a standard spoiler is included!

Either 60-in. or 72-in. side discharge deck can be purchased; a rear-mounted 9-bushel BAC-VAC™ catcher and mulch kits offer versatility, and 12.2 gal. of fuel keeps it mowing for more than a day without refueling, says Hustler. The Super Z also has all the other features of the Hustler Z-foot-operated deck-lift system, tough frame, deck, and front caster forks, good slope-handling, and a park brake system that's integrated into the steering levers.

HUSTLER TURF EQUIPMENT

For more information, circle 142



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Behind the exceptional striping look of a 70-in. Sports Triplex is actually a critical step in bringing turf up to a high quality playing level. It is the only grooming method that provides a truly even and uniform cut. Rather than "whacking" grass off like a rotary mower, reel cutting grooms the grass and helps build healthier, better turf. You build a great sports field to play on with a look that signifies the best.

NATIONAL MOWER

For more information, circle 141



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MID-MOUNT MOWER

Bush Hog's mid-mount Zero Turn mowers feature maneuverability in a compact size. The ZT's have a pivoting front axle that follows ground contours, large caster wheels to reduce soil compaction, and a 18,500 fpm blade tip speed for clean cutting and even clipping distribution.

A "quick foot" height adjustment system quickly goes from 1 1/2 in. to 5 in. in 1/4-in. increments, while the dual caliper parking brake locks both drive wheels for secure transportation. These machines are available in your choice of four different engines and three decks (54, 60 & 72 in.) and cover ground speeds up to 10 mph. All models have a 2-year limited warranty.

BUSH HOG

For more information, circle 140



CUB CADET COMMERCIAL™ M60 TANK

Cub Cadet Commercial™ offers the M60 Tank mid-mount zero-turn mower with a 23-hp Kawasaki V-Twin OHV engine and a 60-in. Command Cut System deck. Cub Cadet Commercial also offers the M48 and M54 Tank models to handle a variety of tough landscaping jobs. Among the many features all of the Cub Cadet Commercial Tanks offer include:

Command Cut System™—Floating, fabricated cutting deck allows operator to achieve a better looking, quality cut. A 7-gauge skirt with welded steel bars for strength and protection, and 10-gauge top double reinforced at spindle area.

Marbane Blades—1.7-in. overlap (50% more than competition) offers a clean cut, especially in tight turns, while computer design adds extra 1.5-in. lip on underside of deck to prevent grass blowouts, keeping grass under deck for multiple cutting and re-cutting (Mulch Baffle Optional).

CUB CADET COMMERCIAL™

For more information, circle 157

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Maintaining the Grounds

STEINER OFFERS ENGINE CHOICE

The Steiner 2-Wheel Drive model 230 tractor features three engine options—a 20-hp Linamar, 28-hp Kubota diesel, and 25-hp Kubota gas. It also has a hydrostatic transmission, hydrostatic foot control, power steering, and auxiliary hydraulics. The front wheel drive machine has a low profile and features a 14-in. turning radius. The front-mount two-point Quick-Hitch allows you to connect attachments quickly.

The MD472 is a full-floating, 3-blade rotary mower with tapered roller bearing spindle assemblies, single lever cutting height adjustment, and high capacity discharge chute. Front caster wheels and a full-length rear roller assure smooth, even cutting. The flip-up deck can be safely serviced and cleaned while still attached to the tractor; handles enable the deck to be lifted vertically over 90 degrees so blades are fully exposed.

STEINER

For more information, circle 144



DEERE 1400 SERIES FRONT MOWERS

The John Deere 1400 Series mowers deliver traction, maneuverability, and productivity for all commercial applications, says the company. This line of mowers, powered by liquid-cooled Yanmar engines, includes the 28-hp, gas 1420; the 24-hp, diesel 1435; and the 31-hp, diesel 1445. The high-torque engines provide increased fuel economy, quieter operation, lower exhaust emission levels, and quicker starting.

Made to withstand a lot of wear and tear, the 1400s have high-strength, tubular steel frames; heat-treated, nodular cast-iron front and rear axles; heavy-duty, dual hydraulic cylinders; cast-iron rear bumpers; and composite hoods.

Each model features a patent-pending air intake system that allows air to enter from the rear and side of the mower, making for lower sound levels at the operator station and less debris buildup.

JOHN DEERE

For more information, circle 143

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BUNTON EXPANDS BZT 2000 SERIES

Textron Golf, Turf & Specialty Products has launched its new, expanded Bunton® BZT 2000 Series of zero-turn ride-on rotary mowers, with diesel, gas and fuel-injected versions for lawn care professionals. Established models in the line have updated engines and cutting widths of up to 72 in.

The entire line boasts sleeker looks. All-day productivity is enhanced by a fuel capacity of 12 gal. and new comfort features. The repositionable, high-backed, foam-padded seat includes standard armrests. The foot plate has been redesigned for greater operator comfort. Controls are more visible and easily accessible. All models feature an electric deck lift for climbing curbs and a headlight for working through dusk.

Bunton 2180ES

Inch for inch, the new Bunton 2180ES outperforms many larger zero-turn rotary mowers, says Textron. An 18-hp Briggs & Stratton Intek V-Twin engine powers it through tough mowing jobs. Its unique, compact design and true zero-turning radius enhance maneuverability. A 52-in.-wide, side-discharge deck and a top mowing speed of 8 mph allow the 2180ES to cut up to 3.5 acres per hour.

BZT 2200D

Bunton introduces the newest zero-turn diesel machine on the market, with the addition of a 20-hp Yanmar diesel engine. Diesels conserve fuel by almost 50 percent, produce higher torque and last longer, compared to gas engines. The BZT 2200D is available with a choice of 52- or 61-in. cutting decks.

BUNTON

For more information, circle 146



SWING HITCH SAVES TIME

First Products is offering its Verti-Cutter VC60 model for heavy-duty use on fairways, tees, etc. The unit has a swing hitch that allows you to turn while verticutting without tearing the turf. Adjustable depth guides make it easier to change cutting depths in the field without using any tools.

FIRST PRODUCTS

For more information, circle 147

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WHEN EVERY GAME COUNTS



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Maintaining the Grounds



4-WHEEL INDEPENDENT SUSPENSION

Ferris Industries has a new line of mid-mount zero-turn mowers, the IS 4000Z, IS 3000Z, and IS 1000Z; the units offer two independent suspension options, including a new four-wheel independent suspension on the IS 4000Z model.

Instead of a pivoting axle, the front wheels on the unit move independently due to two suspension arms attached to each wheel. The arms are pivotally attached to the frame, and movement is controlled by a spring/shock combination. The front suspension system, combined with independent suspension on the rear wheels, eliminates shock and results in increased comfort, speed, stability, and mower life, says Ferris.

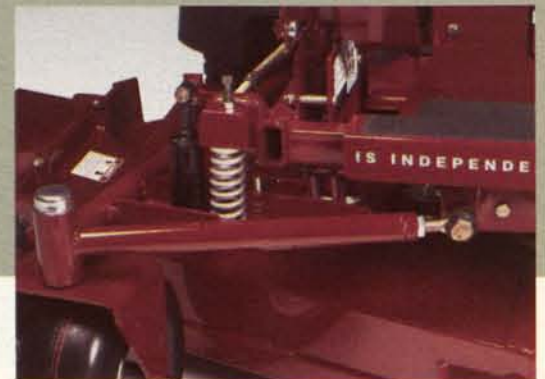
Other IS 4000Z features: 27-hp, liquid-cooled Kawasaki or 31-hp, liquid-cooled Daihatsu engine; 10-gauge 61- or 72-in. mower deck with double top deck, double-reinforced side skirts with lap-welded corners; twin 6.5-gal. fuel tanks;

adjustable, 360-degree rotating anti-scalp rollers; and foot-operated deck lift.

The IS 3000Z features two-wheel independent suspension, the patented system of control arms and coil springs on the drive wheels that allow each wheel to move up and down independently. It features a 25-hp Kawasaki engine and 61-in. deck. The IS 1000Z offers either 21- or 23-hp Kawasaki engine and 10-gauge, 61-in. deck with double top deck, double-reinforced side skirts with lap-welded corners.

FERRIS INDUSTRIES

For more information, circle 150



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Grasshopper's True ZeroTurn™ mid-mount mowers feature straightaway ground speeds of up to 10.5 mph and 5.5-in. deep DuraMax™ decks.

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DuraMax™ decks give sufficient airflow for even dispersal of high volume clippings at faster mowing speeds.

The company says you'll stay comfortably in control with Grasshopper's Ultimate Operation Station. Air- and liquid-cooled, gas or diesel models have 20-28 hp OHV horizontal crankshaft engines, 10-gal. fuel tank with single-fill spout, plus Grasshopper's engineered serviceability, comfort, and durability. Power-Vac™ 8 cu. ft. collection system available for 52- and 61-inch decks. Optional 15- or 30-gallon, 52" shielded sprayer attachment.

GRASSHOPPER

For more information, circle 156



NEW GROUNDSMASTER MODEL AVAILABLE

The Toro Company has begun shipping the new Groundsmaster® 228-D, another model in the Groundsmaster 200 series known for maneuverability, this one with a new engine and more horsepower. You can choose from five full floatation cutting units, the 52-in. Rear Discharge, the 52-, 62-, and 72-in. Side Discharge units, and the Guardian® 62-in. Recycler®.

"The Groundsmaster 228-D has the ability to maneuver smoothly around obstacles," says Tim Koch from Toro. "The unique tire tread design and a counterbalance system provide the necessary traction to help the engine deliver its full power without scuffing." The new unit is powered by a Kubota 28-hp diesel engine, and features steering brakes and 4-lever steering linkage for making tighter turns. Power steering and power brakes allow for great handling. The 228-D has optional attachments so you can use it year-round: Rotary Broom, Snowthrower, 15-cu. ft. Hi-Lift Collection System, Debris Blower, V-Plow, and Cab with ROPS.

TORO

For more information, circle 151

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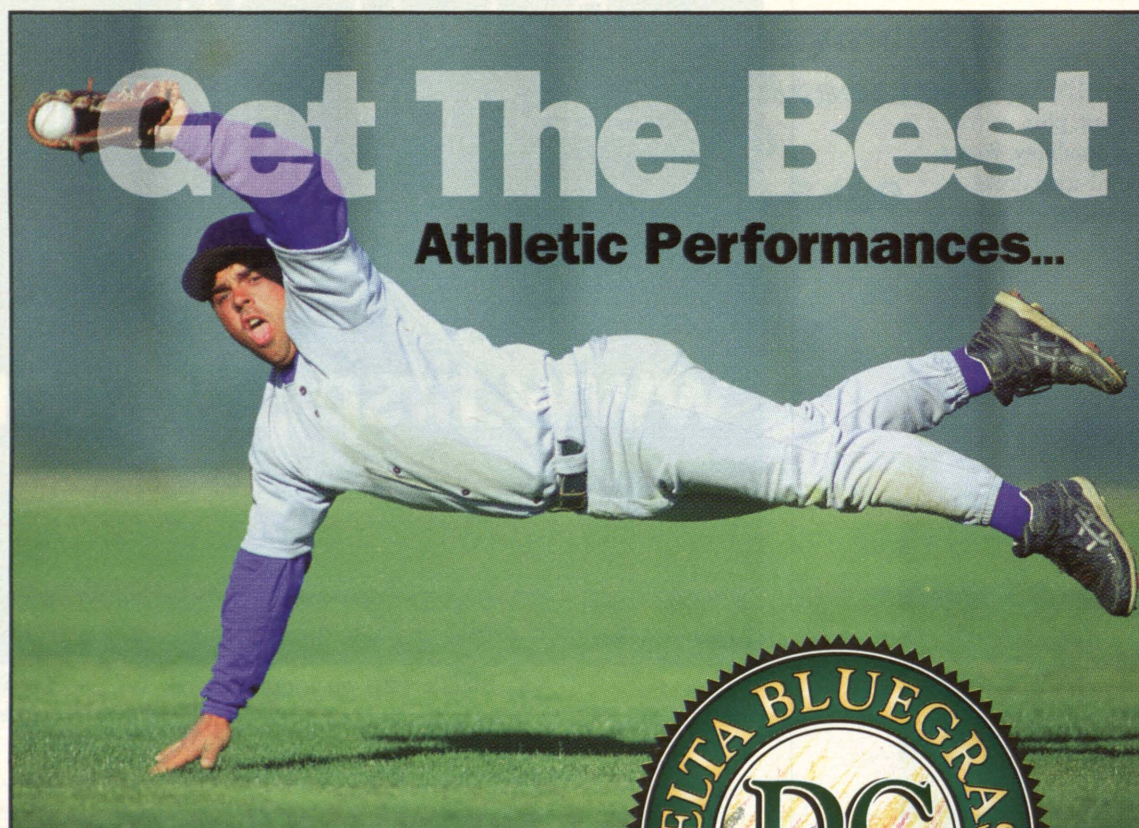
Maintaining the Grounds

COMPACT WALKER MEETS BIG DECK

Walker Manufacturing Co., producers of compact riding mowers, has introduced the industry's first 74-in. side discharge deck, the largest cutting deck for a mid-size tractor. Although it is Walker's first four-bladed design, this larger deck has many of the same features used on Walker's gear-driven decks. The narrow, tunnel design of the in-line, timed blades offers a finish cut, aids in scalp resistance, and gives the clean discharge pattern that Walker products are known for. The combination of Walker's full-floating deck suspension and castering gauge wheels at the back of the deck help hold terrain contours and prevent scalping. Like its brothers, the DSD74 tilts up to 90 degrees for maintenance.

WALKER MANUFACTURING

For more information, circle 154



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"WIDER IS BETTER"

Featuring nine models, Husqvarna's lineup of large-frame Generation II XP zero-turn radius mowers just got bigger with the introduction of the new ZTH7226. This large frame mower offers a wider 72-in. cutting deck and a 26-hp Kohler electronic fuel injected engine.

The ZTH7226 offers the same features as other Generation II XP commercial mowers including a uni-body frame, which provides a low center of gravity and wide wheel stance for stability. The longer wheel-base provides a smoother ride, while the solid welded frame design provides extended life.

In addition, a ground speed up to 11 mph, a fuel capacity of 11.4 gallons, coupled with the new 72-in. cutting deck significantly can increase your productivity-with these added features, the new ZTH7226 zero-turn mower can tackle up to 12 hours of mowing between refills, and cut up to 7.5 acres per hour, says Husqvarna.

Isolating the engine from the frame coupled with the patent pending seat isolation design results in a significant vibration reduction for the operator, providing less fatigue as well as wear on the machine. In addition the foot assist deck lift system is a standard feature on the ZTH7226.

HUSQVARNA

For more information, circle 153

Circle 122 on Inquiry Card.