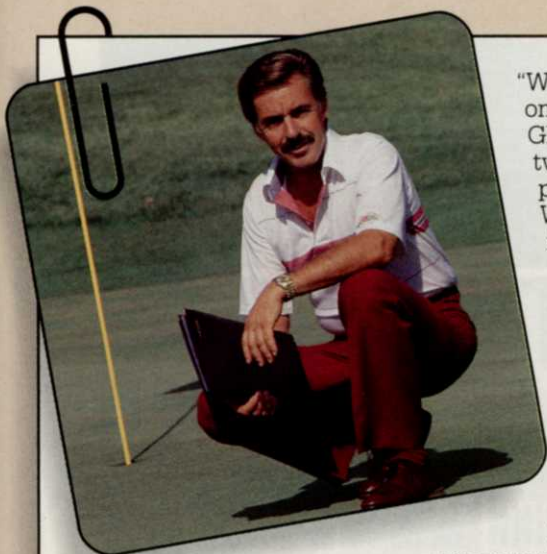


# BENTGRASS

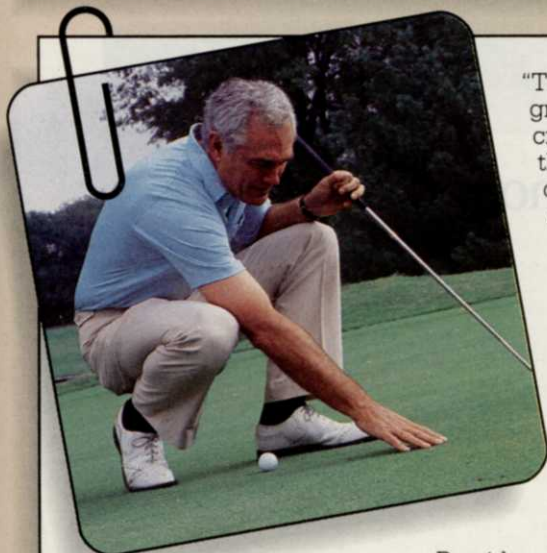


"We planted the 12th hole on Singing Hills' Willow Glen Course to SR 1020 two years ago, and it performed admirably. What's really significant is that members keep asking what we've done to the 12th hole that makes it putt so well! The members like SR 1020's performance from the players' point of view; we like that too, but we also value that we

haven't had to change our normal greens maintenance program to achieve the results."

*David Fleming*

David Fleming, C.G.C.S.  
Superintendent, Singing Hills Country Club  
El Cajon, CA



"The newer golf course greens planted to Penn-cross look beautiful, but they don't putt like the old South German Bent greens. The putting surface of those old greens is fine-textured, not thatchy or grainy, and the old greens don't show the spike marks like Penn-cross. We've been needing bent-grasses bred for golf quality as well as turf quality for a long time, and it looks like SR 1020 and

Providence fill the bill!"

*Pete Trenham*

Peter Trenham  
President, Philadelphia Section PGA  
St. David's Golf Club  
Wayne, PA

## Finally! New Cultivars Bred To Meet the Needs of the Superintendent and the Golfer!

At Seed Research, we listen to your needs. You've been wanting a bentgrass that's tough, looks great, and is easy to maintain . . . but one that's also fine-textured, with good putting green quality. And available.

So when the bentgrass shortage became apparent in 1983, we acted quickly and acquired parental germplasm from two of the finest bentgrass collections in the country – the University of Rhode Island and the University of Arizona. From those collections, we developed two exciting new creeping bentgrass cultivars, Providence (SR 1019) and SR 1020.

Evaluation on golf courses and at universities has shown that both these bents produce the kind of turf you demand: dark green, aggressive, competitive, easy to manage, good disease resistance, good stress tolerance, and compatible with existing bents for overseeding.

And, for real golfers like Peter Trenham, SR 1020 has proven it provides everything desired in a putting green bent: fine texture, uniform surface, and most importantly, an absence of grain, so the ball holds the line for true putting accuracy.

SR 1020 is already in production, and excellent quantities of certified seed are available. Providence will be available in August of 1989. With either of our exclusive new bent-grasses, you can look forward to a good-looking grass that will give you the performance you demand and the putting green quality your golfers prefer!

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A Scott's Tech Rep has a rather different set of priorities.

He puts his lawn ahead of his home. He puts his job ahead of himself. And he puts solving a problem ahead of making a sale.

Those priorities carry over into how we do everything at O.M. Scott.

Like our emphasis on developing new products instead of just selling old ones. And our belief in keeping our customers as

# NEW AND IMPROVED

With 1989 comes new and improved mid-size riding mowers. LANDSCAPE MANAGEMENT takes a look at some of the innovations that landscape managers will see in their dealerships this spring.



## How a Scott's Tech Rep shovels snow.

well-informed as our own people. The result is that with Scott's products you always get a little more for your money. And we haven't met a turf

manager yet who doesn't consider that a priority.

For more information contact your Scott's Tech Rep or call 1-800-543-0006.

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**ProTurf**

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# NEW AND IMPROVED

With 1989 comes new and improved mid-size riding mowers. LANDSCAPE MANAGEMENT takes a look at some of the innovations that landscape managers will see in their dealerships this spring.



Buntun's BR 61 is an 18 hp rider with an Onan engine.



The Pro Star now comes with a new, wider 60-inch deck.

**A**s commercial/industrial acreage gets bigger, so do the commercial riding mowers responsible for keeping the grass neat. So says Mike Packer of the Buntun Co., one of the makers of this type of mower.

"I think what we're seeing is a step up in size of mowers," Packer tells LANDSCAPE MANAGEMENT. "Guys using a 21-inch walk-behind are stepping up to 32-, 36-inch mowers. Those using 36-inch mowers are going up to 48 and 52."

This type of equipment is known in the industry as the mid-size rider.

"Why?" asks Packer. "Productivity. Companies that are stepping up into larger properties need the larger capacity machines, but something that's affordable. The nature of the business is that they make a lot of money, but never seem to have it (to spend on new equipment)."

Because the equipment is getting larger, it also pays to be more maneuverable to eliminate the need for trimming. That's the main reason why landscape managers are seeing more zero-turning radius mowers on the market.

Dixon, pioneer in the zero-turning radius field with its ZTR model, has lately been seeing more and more competition in this market.

President Bob Foutch of Pro Star, which entered the zero-turning market in 1988, sees a big future. "Zero-turning radius mowers are the coming thing," he says. "They can do so many more things. And as we go along, I'm sure we'll continue to make improvements."

Joe McDonald, marketing coordinator for John Deere's commercial division, disagrees with the current zero-turning mindset. "We've looked at zero-turning radius mowers, but don't think the benefit is there," McDonald says. "They aren't as operator-friendly or safe. The major point to consider with a front mower is its ability to trim. Zero-turning mowers are fine if you're in the middle of a field."

It seems, too, that landscape managers are demanding more versatility from their mowers. Available attach-

# For the long run.



## Introducing a powerful new force in riding rotary mowers.

Now there's more to Cushman® Front Line® Mowers than top cutting performance. More power. More operator comfort. More endurance.

Now there's the new diesel-powered model Cushman 807.

Its totally integrated power train and new hydraulically-powered steering gives you unmatched performance over the long run. The 807 dispatches thick, wet grass on tricky maneuvers around obstacles without losing

ground speed. No other rotary mower gives you a cleaner cut.

At the heart of the new, four-wheel 807 is a powerful 21.5 horsepower, 3-cylinder Kubota 950 diesel engine. We've also included a heavy-duty Donaldson air cleaner and a new, heavy-duty Cushman PTO clutch to keep your new Cushman Front Line running longer. A complete family of Cushman Front Lines and a wide range of accessories are available to meet all your needs all

year 'round. Choose a 3 or 4 wheel design with 60- or 72-inch side or rear discharge mower deck. Or add the exclusive Cushman Grass Caddy™ system, which lets you cut, catch, and hydraulically dump 16 bushels of clippings without leaving the seat.

For a convincing demonstration contact your Cushman dealer today. Or call toll-free: 1-800-228-4444.

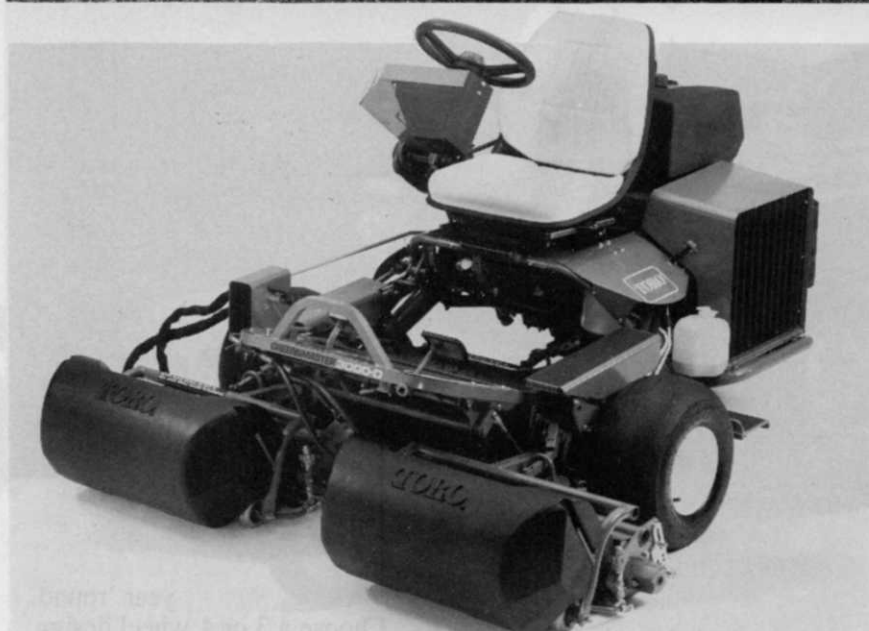
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**Exmark's 3150 comes with a 54-inch deck.**



**Toro's Greensmaster 3000-D has a liquid-cooled diesel engine.**



**Cushman's new Core Destroyer attachment does exactly that.**

ments are playing a larger role in buying decisions. Cushman, for example, has a new Core Destroyer attachment for its Front Line series. Kubota and Wheel Horse have added sweeper and snowblower attachments.

From the landscape manager's point of view, no matter what kind of equipment "Iron Country" (LM first coined the term, meaning equipment manufacturers, in 1984) turns out, there are other considerations in buying.

For instance, Russell Studebaker, new president of the Professional Grounds Management Society, says many landscapers consider their equipment budget, existing inventory and labor budget before buying. Studebaker, senior horticulturist for the City of Tulsa, Okla., integrates herbicides for trimming with his string trimmers and his Toro Groundsmaster mowers.

"Once we find something we like, we like to stick with it because of parts inventory," Studebaker tells LANDSCAPE MANAGEMENT. "We want something that's well-built."

Engines make a big difference to Peter Scholz of Vidosh Brothers, Sterling Hts., Mich. "I prefer diesels. They're more durable. Our entire fleet is Ransomes diesels. We have some diesels mowers with 1000 hours of use and we haven't touched (repaired) them."

He says his Ransomes mowers are also maneuverable and easy to operate. "They are able to do the big jogs and at the same time get into the small areas," Scholz notes.

Mark Yahn of Ground Control Landscaping, Orlando, Fla., also pre-



Shinnecock Hills Golf Club, Southampton, New York



Southern Hills Country Club, Tulsa, Oklahoma



Oak Tree Golf Club, Edmond, Oklahoma



Medinah Country Club, Medinah, Illinois

# Another banner year for Betasan.

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Or, maybe the reason is Betasan is the only preemergent crabgrass control that's safe for bentgrass and all other turfgrasses, including established bluegrass, fescue, perennial, annual rye, bermudagrass, Zoysia, bahia, centipede and St. Augustine.

Either way, for over 20 years Betasan has been earning the trust of the most de-

manding and knowledgeable golf course superintendents in the country.

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BETASAN is available in liquid formulation, as well as granular, to match any application need you may have.

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## MID-SIZE RIDING MOWERS—New for 1989

COMPANY	ROTARY/REEL	MODEL	COMMENTS
Brouwer	Reel		New triplex riding reel with 76-inch swath
Bunton	Rotary	BR 61	18 hp riding mower with Onan engine; rear-wheel steer, electric lift-cutter deck; 61-inch cut
Cushman	Rotary	Core Destroyer	New attachment to Front Line mowers; badknife hammer blades powder cores
John Deere	Rotary	Groundsmaster 200 series	(52-, 62-, 72-inch cut) has new liquid-cooled Mitsubishi gas engine to complement diesel (72-inch cut) with liquid-cooled gas or diesel engine has new four-wheel drive added
	Rotary	Groundsmaster 322-D	
Excel	Rotary	Hustler 640 Hillside	72-inch heavy dual-trim mower with closed look traction drive system Free-floating rear-discharge 51-inch mower with 3 V-belt-driven blades; up to 9 mph 320 has 3-cylinder engine, 340 has 4-cylinder engine; both have either 60-inch 3-way blades, 72-inch standard deck or 72-inch dual trim rotary attachments
	Rotary	Hustler 251 K	
	Rotary	Hustler 320, 340	
Grasshopper	Rotary	Model 411	35-inch co-commercial deck; 4 models ranging from 18 to 21 hp
Grazer	Rotary	EM 52	52-inch 3-pt. tow-behind with PTO drive available next summer Same as above, but with 62- or 72-inch swaths
	Rotary	EM 62, 72	
Howard Price	Rotary	Turf Blazer 727	Diesel-engined with 60- or 72-inch side or rear discharges New model that mows up to 3.8 acres/hr.
	Rotary	Sunstrand Model 15	
Kubota	Rotary	S2400	New sweeper and snow blower attachments New four-wheel steering; gas and diesel engines
	Rotary	G series	
Lesco	Rotary		New zero turning radius 52-inch rotary with unique dual articulating deck, rear bagger, 18 hp Kohler engine Same as above, 36-inch cut; available late 1989 Added dynamic braking, improved power steering; 60.75-inch cut
	Rotary		
	Reel	300 Greensmower	
Locke	Reel	Model 6C	New 70-inch triplex with pneumatic drive and 5 or 8 hp Honda engines 87-inch with hydrostatic drive has improved hydraulic cooling system and optional Honda engine 77-inch; same as above
	Reel	Model 1	
	Reel	Model 4	
Pro Star	Rotary	Model 620	New 60-inch ZTR deck
Scag	Rotary	12½ hp Hydro	Adds 12½ hp with 40- and 48-inch decks
Toro	Reel	Reelmaster 216	New three-wheel drive, now with 11 blades to go along with 5, 8; 72-inch cutting width New 44- or 52-inch with dual transmission steering for tight-circle steering without scuffing; three-blade decks New diesel power
	Reel	HMR	
	Reel	Greensmaster 3000-D	
Walker	Rotary	Model C	16 hp mower with built-in grass-catcher, 3,000-hr. life span
Wheel Horse	Rotary	Model 724 Z	New; following attachments: 60-inch side-discharge deck, 50-inch side discharge, 6 cu. ft. vacuum, 48 inch snow blade
Woods/Hesston	Rotary	Models 3150, 2650	Straight transaxle drive added, along with regular chain drive



Gas or diesel engines are available for Kubota's G series.

fers diesels because of more efficient fuel consumption and longer engine life. He approximates the diesels have five to six times the life of gas engines.

"We have some diesels we bought in 1983 that have yet to be given a major overhaul," he says. "Our average hour life on a 24 hp diesel is 5000 to 6000 hours."

Yahn also looks at overall speed, which is a combination of ground speed, maneuverability and acre per hour. "Because of the large amount of turf we need to cover in a week, speed and maneuverability must be combined with durability," he notes. "We look at deck strength quite a bit. The gauge of the metal has to be able to withstand constant sandblasting. The front of the deck functions as a bumper, so it must be strong, well reinforced."

Yahn also looks at caster wheel assemblies: "We always order our equipment with the heaviest type caster wheels they make, along with any optional items, like anti-scalp rollers, to get the deck to float in as many directions as possible to prevent scalping, but also to get the floating effect."

In overall construction, Ground Control likes a liquid, differential-type axle. "The Ransomes and Hustlers all have shaft drives; universal joints, shafts going down to the axle driving the wheel," notes Yahn.

Finally, comfort is very important. "Those guys sit on those machines for 45 to 60 hours each week," Yahn says. "If the machine isn't comfortable, you'll go through people left and right." **LM**



# Sabre *Poa trivialis* isn't just a good shade grass.

## It's the best.



Years ago fine fescue was considered the best performer in damp shade.

That changed with the appearance of *Poa annua*-free Sabre *Poa trivialis* and a 1979 shade tolerance trial at Ohio State University.

In that test Sabre was top-rated for shade tolerance when compared to 39 mixtures, blends and monostands of fine fescue, ryegrass, Kentucky bluegrass and tall fescue.

An excerpt from trial data said: "Sabre, which had the highest overall seasonal ratings, maintained the most consistent quality throughout the season."

Due to its special qualities Sabre should be sown only in damp shade. For this purpose it may be mixed with fine fescue, turf-type ryegrass or Kentucky bluegrass.

Normal cutting height is 1-1/2 inches, but on winter putting greens in the Southern U.S., it has proven its ability to thrive when cut at 3/16th.

One of the first domestic varieties to be registered with the U.S. Plant Variety Protection Office, Sabre is both disease-resistant and hardy.

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# What Fun Is Settling For If You Can't Raise It

Imagine an out front rotary mower that is so productive that customers ask you not to change a thing. That's exactly the case with the Groundsmaster® 300 Series from Toro. For 16 years they've been the industry standard because of their unmatched power, productivity and maneuverability.

So instead of changing a good thing, we're simply giving you more of it by adding some new features.



Toro's Triflex® 88" cutting deck can increase your cutting productivity approximately 22%. And it's retro-fittable to other Groundsmaster 300 Series units.

The Triflex lets you choose an 88", 72" or 54" width of cut without stopping. So for large acreage mowing with or without obstacles, the Triflex deck gives you added flexibility in addition to expanded cutting capacity.

For better maneuverability and less driver fatigue, we've added power steering. Combined with a big, 15" steering wheel and a hydrostatic control pedal, the Groundsmaster 300 Series is as easy to drive as a car.

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