

PennTrio No. 17, Apple Tree GC, Yakima, WA



Penncross No. 14, Coeur D'Alene Resort, Coeur D'Alene, ID

Tour the Islands with the 'Penn Pals'

Island putting greens are indeed a beautiful, yet intimidating, sight to behold with some very unique shapes and features. They're also meant to challenge golfers. Once a player has carried the water hazard and landed on the green, he should be rewarded for his efforts. That's why, in most cases, the putting surface is one of the 'Penn Pals'... icing on the cake, so to speak.

We haven't seen the last of island greens. Now that one floats, what's next? Whatever the configuration, your Tee-2-Green distributor has the ideal creeping bentgrass for each application: Penncross... the world standard for putting greens since 1955. Penneagle... the salt tolerant grass for greens and fairways, plus PennLinks, the new choice for greens around the world.

And now, the exciting next generation of low mowing creeping bentgrasses... PENN A-1, PENN A-2, PENN A-4, PENN G-1, PENN G-2 and PENN G-6 will add a new dimension to green performance.

So, even when a player's short irons are erratic, and his putting's unpredictable, he can always count on the quality and consistency of 'Penn Pals' greens as he tours the islands.



Penncross, No. 17, PGA WEST TPC Stadium Course, La Quinta, CA



PennLinks No. 17, Chart Hills GC Biddenden, Kent, England

PO Box 250 Hubbard, OR 97032 1-800-547-0255 503-651-2130 FAX 503-651-2351

Confused By Particle Size Claims?



We Asked An Independent Laboratory To Level The Playing Field.

The Andersons has long prided itself on its innovative technology regarding our uniform, mini particle sizing capabilities. And, according to recent independently conducted research, we have every good reason to take pride. After all, our greens grade products were tested against our leading competitors – Scotts, Lebanon and Vigoro – and the results were convincing



The Importance of Proper Sizing and Uniformity

There are two key measurements that help determine the performance of a greens grade fertilizer product.

SGN (Size Guide Number)...this has to do with the size of the granules. For greens, the particles need to be very small to penetrate the turf canopy and not interfere with playability. On the other hand, particles can't be too small or they can be blown away – dust-like – during application.

The Andersons SGN specification for ideal greens grade performance is 90 to 100.

Ul (Uniformity Index)...this has to do with size uniformity. Granule uniformity is critical to assuring the even distribution of product during application. Granule ballistic characteristics change according to size. The more uniform the granules the more controllable the application. The Andersons UI specification for ideal greens grade performance is 50 to 60.

Lab Results For Greens Grade Products

Company	SGN#	UI
The Andersons TeeTime 21-3-16	90	53
Lebanon Country Club 18-3-12	135	52
Scotts Scotts 22-0-16	110	42
Vigoro Par Ex 21-3-16	90	36

Application Uniformity



Trajectories For Several Sizes Of Granular Raw Materials (Granular Urea)

3.3 mm / 6.2 ft.
1 mm / 5.2 ft.
5mm / 4.2 ft.

The importance of uniformity in application is demonstrated here. If a wide disparity exists in particle sizing, the risks of uneven – and improper – product coverage increases.

Applicator Flow Through







Ratholing Severe Funnel

Funnel Uniform Flow

The Andersons greens grade product uniformity helps deliver the product to the turf consistently for maximum effectiveness.

Count on The Andersons for "Right-Sizing" and Uniformity

All of The Andersons Tee Time professional golf course products are "right-sized" for specific application requirements. And with our innovative uniformity processing, you can be sure you get the sizing you need particle after particle.

Par Ex is a registered trademark of Vigoro Industries, Inc.
 Scotts is a registered trademark of The O.M. Scott & Sons Company
 Country Club is a registered trademark of Lebanon Chemical Corporation

the professional's partner®



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KEN ZACK TALKS:

TRIM MOWERS



"One thing that used to drive me crazy about trim mowers was how often they needed adjusting," says superintendent Ken Zack of the Tom

Weiskopf/Jay Morrish-designed Broken Top Club in Bend, Oregon. "Not so with my two new John Deere 2653s. They stay in adjustment much better than trim mowers I've used in the past.

"Their power and quality of cut is also better. The biggest complaint I have from operators is how a machine will slow, or bog down, when it gets to a hill. The 2653s don't do that. There's plenty of torque in the engine to keep machine speed constant-

> which helps deliver a better cut. Plus, after a full season of working six hours a day,

every day, they haven't

with any of their other first machines. To be honest, I wasn't sure if this was something

"The 2653s were the first new John Deere machines I had tried in years. I had always

liked, and used, John Deere walking greens

mowers but had never been very impressed

they were trying because the farming industry was down or if they were really

committed to this business.

had any downtime to speak of.

"When I saw their new lightweight fairway mower at the 1993 GCSAA show, I could see they had come a long way. So, when I returned, I decided to give the 2653s a try.

"The difference between the 2653 and other trim mowers I've had is like night and day. I no longer have any doubts about John Deere's commitment to this industry... and I'm glad I gave them another look.

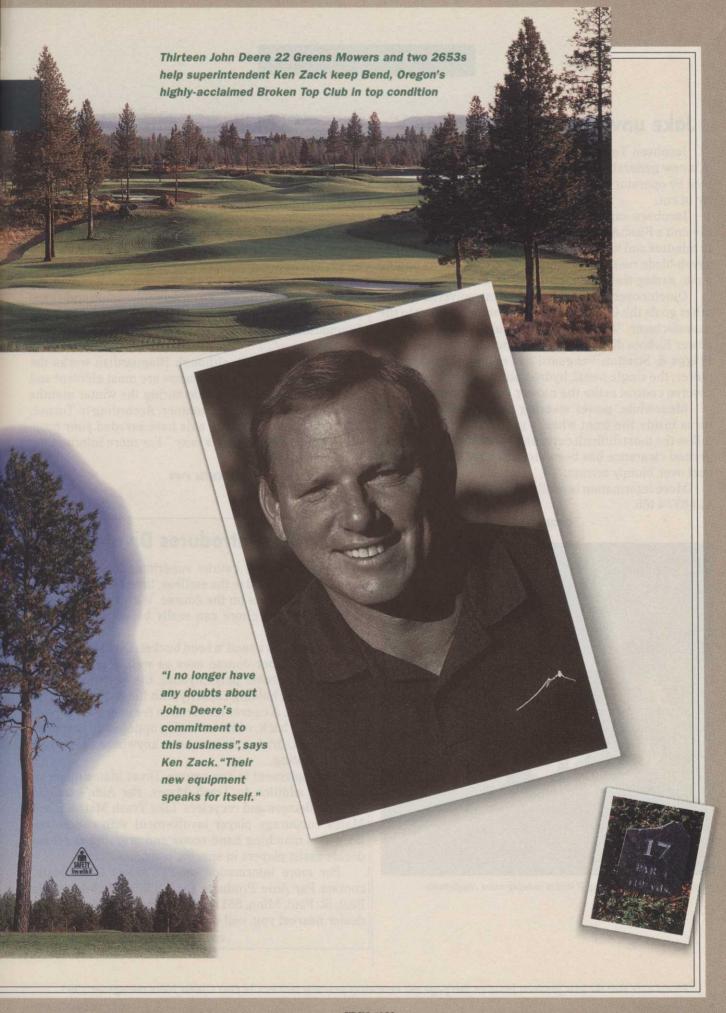
For the name of your nearest distributor, or free literature, call 800/537-8233.

> Or write John Deere, Department 956, Moline, IL 61265.

Plenty of power and excellent quality of cut are two reasons why Ken Zack chose 2653s for his trim work.

NOTHING RUNS LIKE A DEERE®





KUBOTA RUNS CIRCLES AROUND THE COMPETITION



Kubota's FZ2100 and FZ2400 with Zero Diameter Turn (ZDT) run circles around the competition.

The power in the innovative FZ front mowers starts with 20 or 24 horsepower, Kubota liquid-cooled diesel engines and continues with the Auto Assist Differential (AAD) drive system that automatically switches between 2WD and 4WD to match operating conditions. With AAD, you get extra power to maneuver easily in wet grass and muddy conditions with the front wheels rotating freely through the tightest turns. The FZ can turn completely around in one spot without damage to the turf, cutting way down the time spent on labor-intensive hand trimming jobs.

For productivity and versatility, Kubota's



F-Series front mowers can't be beat. The F2400 is 4WD and 24 horsepower, while the F2100 is available in 2WD or 4WD, and has 20 horsepower. Both have Kubota diesel engines, and are equipped with hydrostatic rear-wheel power steering for easy handling. A wide selection of Performance Matched Implements provide the versatility. They include triplex reel, rotary, flail and mulching rear discharge mowers, rotary broom, leaf blower, snowblower, and front blade. Roomy operator's deck, tilt steering wheel, and excellent visibility increase comfort and productivity.

Your Kubota dealer can show you the complete Kubota turf equipment line with the power and maneuverability to run circles around the competition.

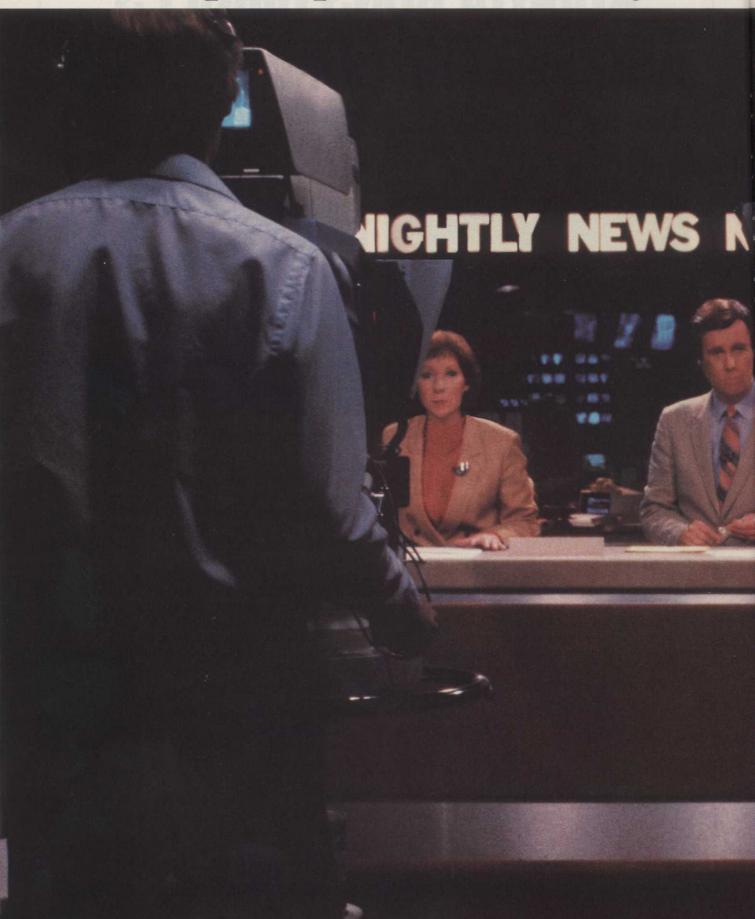
For more information, write to:



KUBOTA TRACTOR CORPORATION P.O. Box 2992GCN Torrance, CA 90509-2992

Financing available through Kubota Credit Corporation.

We'll keep the pesticide industry fron



becoming a victim of air pollution.



Ahh, television news in the 90s.

Tabloid journalism has sneaked its way onto the airwaves. And the pursuit of facts seems to have been replaced by the pursuit of ratings.

So the specialty pesticide industry needs a media watchdog that not only watches. But that also

takes action.

Fortunately, we have one. RISE. Responsible Industry for a Sound Environment.

RISE is a coalition of manufacturers, formulators and distributors from all areas of the specialty pesticide business.

In addition to promoting environmental stewardship, RISE makes sure the media doesn't report misinformation as fact.

We also hold editorial meetings with media decision-makers. And respond to negative articles or broadcasts that are incorrect. We've been very successful so far. Not surprising considering what our most powerful weapon is.

The truth.

Of course, there's still a lot more work to do. But rest assured, RISE is up to the task.

Because we know if we eliminate air pollution, the pesticide industry can breathe a lot easier.



1156 15th St., N.W., Suite 400, Washington, D.C. 20005. ©1995 RISE RISB-0047-1

Introducing our new 1996 DS Electric with PowerDrive Plus.

[Launching pad not included.]

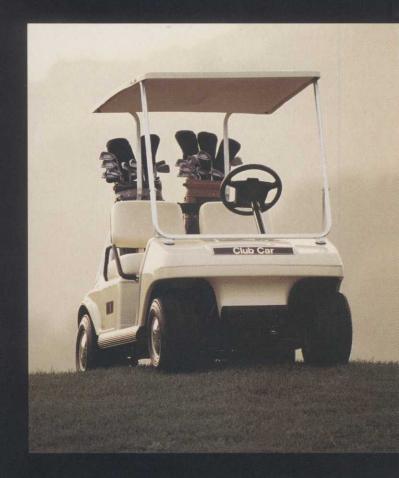


Our PowerDrive®tech-

nology has really taken off. Last year, we created the PowerDrive System 48,™ the world's first 48-volt electric golf car operating system. It's the standard by which all other electric cars are measured.

And for 1996, we've developed a new DS Electric system – PowerDrive Plus." It features all the advantages of our original PowerDrive System 48. Plus we've added greater hill-climbing power, with controlled downhill speed for safer operation, and power regeneration to help the batteries last even longer. In fact, we back our exclusive 8-volt batteries with a 4-year, 800-round limited warranty.

Which system is best for you depends on the number of hills on your course and their grades. Let your Club Car representative help you decide. For a test drive, give us a call at 1-800-643-1010.



Golf's Driving Force.





Evaluating preemergence turf herbicides can be like comparing apples and oranges. True, all of them control weeds. (To some degree, at least.) But a closer look reveals big differences. When you consider all the products on the market, you'll find:

- A lot of them focus on low price.
- That's usually because they don't have much else to offer.

DIMENSI ON

Dimension® turf herbicide, on the other hand, gives you real value. Dimension offers premium performance, along with extra benefits that make your job easier. Here are a few reasons why Dimension stands out from the competition:

- Dimension provides unmatched crabgrass control.
- It controls crabgrass all season long—without breakthroughs.
- Dimension also handles goosegrass, oxalis and spurge.
- Fall applications help you manage unwanted Poa annua, as well as crabgrass and other weeds.
- Altogether, Dimension takes care of more than 20 tough weeds.
- Dimension works before or after crabgrass appears, extending your application window.
- It's completely non-staining—all you see is great-looking turf.
- You can stretch the long-lasting control of Dimension even further with split applications.
- Dimension works at low use rates.
- It's labeled for lawn care and golf course uses.
- Dimension offers the application flexibility of sprayable EC or granular fertilizer formulations.
- You can overseed just three months after application.
- And you can always count on exceptional turf safety.

To find out more about the benefits of Dimension, see your local Rohm and Haas distributor.



Weed control beyond compare.

ALWAYS READ AND FOLLOW LABEL DIRECTIONS FOR DIMENSION TURF HERBICIDE.



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Leave it to the world's number one golf car manufacturer to be the first to offer a choice. Introducing the E-Z-GO TXT, featuring the resilient DuraShield™ body. It's not simply another plastic body car, it's an E-Z-GO. And undoubtedly the

finest composite body car on the market. No other manufacturer offers a choice between a composite body and a galvanneal body. Either way, you're assured of the quality, durability and performance that has been the E-Z-GO hallmark for over forty years. Call 1-800-241-5855. And learn why choosing a golf car is twice as easy as it used to be.

THE NAME OF THE GAME.

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NOT EVERYONE ON A GOLF COURSE WANTS LONG DRIVES AND LOW SCORES.

Sentinel

Golfers worry about

breaking par. You'd rather break the strangle-hold turf diseases can put on your fairways, tees and greens. Sentinel® fungicide can help.

Sentinel offers the longest control and best performance on brown patch, dollar spot, summer patch and 11 other turf diseases—at the lowest rates. Sentinel controls the toughest

diseases 20-35% longer than

other systemic fungicides. And it won't quit
working at critical times, either. Like, say, just
before tournament weekend. What's more,
Sentinel offers the protection you need at far
lower rates than competitive products—
anywhere from nine to 100 times less active
ingredient. That minimizes worker exposure
and lessens the environmental load. When it
comes to performance, Sentinel has proven
itself on 12 different varieties of turfgrass.

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Not to mention hundreds of courses nationwide.

So while no one will ever say, "You really got ahold of that residual" or "wow, low rates," you'll have the personal satisfaction of knowing you're using the best possible fungicide around.

For details, call your authorized Sentinel

distributor, Sandoz sales representative or

call 1-800-248-7763.

LONGEST CONTROL.
BEST PERFORMANCE.
LOWEST RATES.



SOME PREFER LONG RESIDUAL AND LOW RATES.



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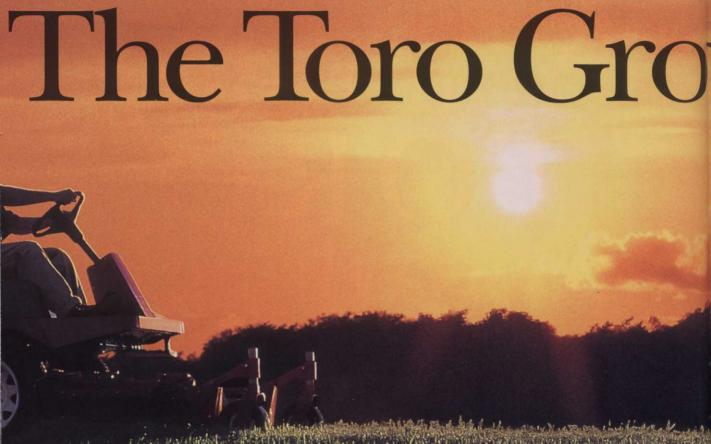


CONTROL OF THE PROPERTY OF THE PARTY OF THE

Announcing the dawn of



a new class of rotary mower.



You may already know Toro's legendary Groundsmaster family.
But its latest offspring is a whole new class.

That's because the Groundsmaster® 3000 dramatically raises the bar on rotary mower

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performance. With a powerful new engine. Advanced cutting units with wider swath. A super durable new axle. Quickattach system and more.

That adds up to everything you want in your next mower. Greater

productivity, capacity, stability, strength, longevity and quality of cut. Along with Groundsmaster's all purpose, all year versatility.

Frankly, you've never seen a rotary mower this advanced. Because it's the only one of its kind.

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What more can we say?
Except it dawned on us that you'd like a free video starring Toro Groundsmaster 3000.

Just mail the card and it's yours.



Helping You Put Quality Into Play.



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Please complete and mail this card today. We'll promptly send a free Groundsmaster* 3000 video along with more product information.

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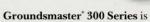
Attention, Commercial Marketing Services

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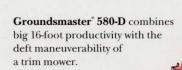
Meet the most complete family of rotary mowers under the Groundsmaster 200 Series tractors have many deck of

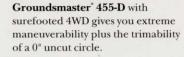
sun.

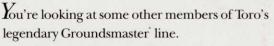
Groundsmaster* 200 Series 2 or 4WD tractors have many deck options and all season accessories, making them your most versatile choices.



represented here by the **325-D** in 2 or 4WD. Its Guardian® 72" Recycler® deck gives you the safety of no discharge with maximized efficiency plus an unsurpassed quality of cut.







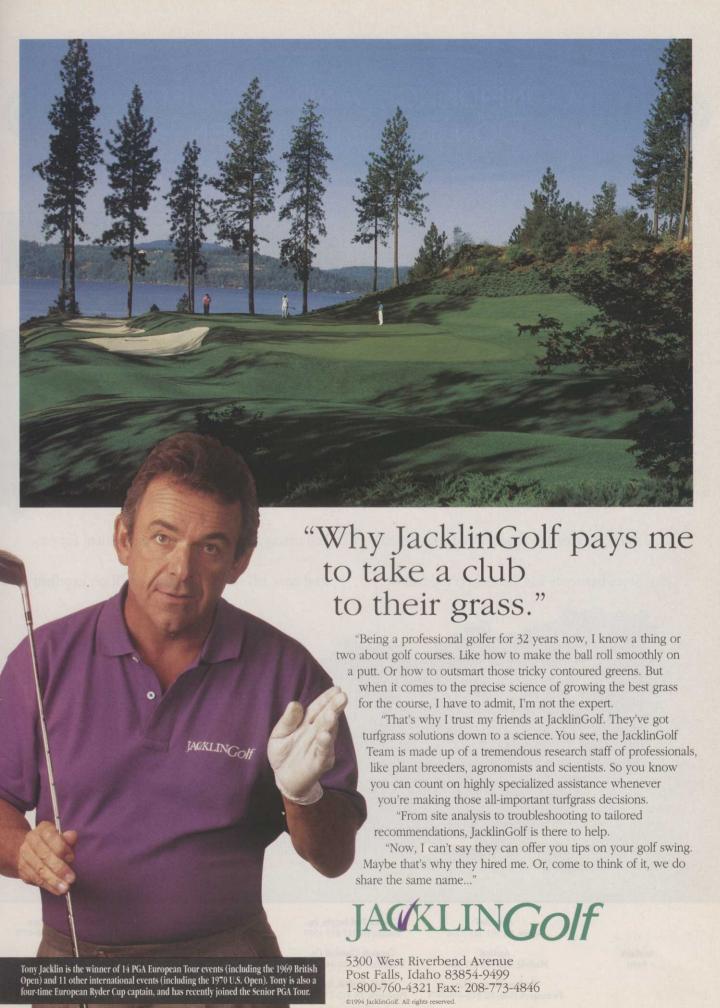
Each is different. But all share certain family

traits. Exceptional maneuverability, productivity, power, versatility, durability and quality of cut. Everything you want as a turfcare professional.





Helping You Put Quality Into Play."



CIRCLE #111

CONFIDENCE AND SECURITY DON'T JUST HAPPEN.

Let's not mince words – your job's challenging.

Just think about all the people you have to please.

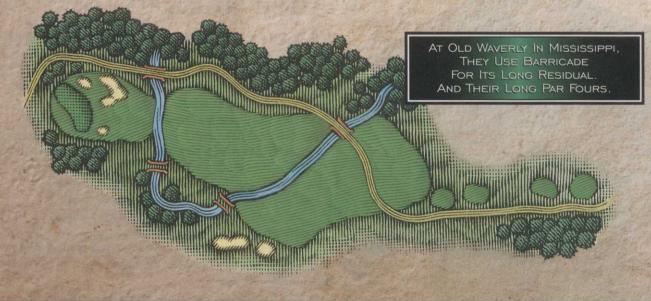
And about what happens if you don't. You need confidence. You need security. And you're not alone. Superintendents at some of the top courses in the country need the same thing. Which is why they use Barricade® preemergence herbicide to keep fairways, tees and roughs weed-free. So can you. Since Barricade has the longest residual of

Westwood Country Club
Is Virginia's Pride And Joy.
Barricade Keeps It
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any preemergence herbicide, it gives you maximum flexibility.

You can apply when it's most convenient for you.

And have full confidence that you'll get excellent



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control of crabgrass,

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weeds. Consistent control that lasts for

up to 26 weeks depending on the rate you

choose. For even more confidence and security,

Barricade keeps golf shoes and everything else

on your course stain-free. And since you're

applying as little as one-fourth as much active

ingredient, you'll reduce worker exposure and

lessen the environmental load. What's more, its

low water solubility means Barricade

will stay right where you put it, even on slopes and hillsides. Choose from two different formulations: on-fertilizer and sprayable.

Barricade really can provide the added confidence

and security you need. But only if you apply it.

For more details, talk to your authorized

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Barricade

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RegalStar The results on Bluegrass are Unmatched!

RegalStar® preemergent herbicide, from a single application, provides the ultimate in weed control and quality turfgrass. It not only prevents the common weeds, goosegrass, crowfoot and crabgrass, it also gets the hard to control escape weeds. The Ureaform slow-release nitrogen carrier is sufficient to provide season-long feeding - a special extra benefit for better values.

This superior combination of weed control plus feeding produces turfgrass quality unequaled or unmatched otherways..

PETE GERDON Golf Course Superintendent Grandfather Golf and Country Club Linville, NC



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A Sound Investment

The Ransomes® All-Electric E-Plex™ Generates Income From Earlier Tee Times

Invest in the electric E-Plex™ greens mower and it will quietly make money for you. Because the E-Plex is virtually noise free, you can mow at the crack of dawn, allowing for earlier tee times. The extra income from additional rounds will pay for the E-Plex in no time. And, for ongoing savings, maintenance and operational costs for the electric

E-PLEX PAYBACK

Earlier tee times mean more rounds and more revenue! Example: 4 tee times x 4 players = 16 additional rounds each day.

# Additional Rounds Per Day	Greens Fees Per Player	Additional Revenue Per Day
16	\$40	\$640
	\$60	\$960
	\$80	\$1,280

Divide the unit cost of the E-Plex by the extra daily revenue to determine the payback period.

E-Plex are significantly less than for conventional mowers.

Add the economic benefits to the highest quality of cut, superior performance and the elimination of damage from hydraulic leaks, and your E-Plex isn't

just a greens mower, it's a sound investment.

For a free demonstration or the name of the dealer nearest you, call 1-800-228-4444.

FAX (402) 474-8522.



RANSOMES

Driven to be the best.





One Strike And You're Out



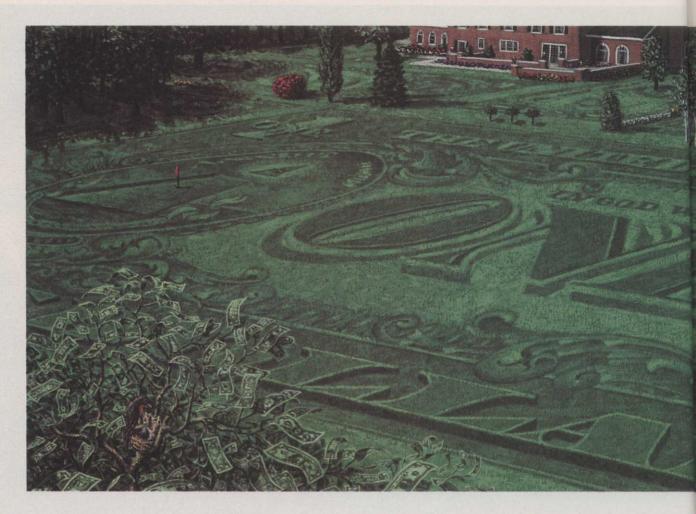
In this game, you don't get three strikes. All it takes is one lightning strike to put your irrigation system out of commission. That's why Rain Bird developed the Storm *Watch*™ Detection Protection System. Our Storm *Watch* system safeguards your central control system, computer interface, field satellites and valves. Unlike devices that function simply as surge suppressors, Storm *Watch* actually detects lightning in the area and responds by automatically disconnecting your equipment through a unique patented technology that grounds AC power and field wiring. After the lightning dissipates, Storm *Watch* automatically restores your connections.

When lightning threatens, you'll be happy to know that Rain Bird is at work for you. Play ball.

RAIN BIRD.

Call your Rain Bird Golf Distributor at 800-984-2255.

LOOK OUT FOR NUM



PENDULUM, AMDRO AND IMAGE. THE PROFESSIONAL'S CHOICE FOR TOP TURF PERFORMANCE.

Savvy professionals rely on PENDULUM, AMDRO and IMAGE for reliable, cost effective control of unwanted bazards like problem weeds and fire ants.

And their confidence is repaid with courses that are noticeably better looking and more comfortable to play.

It's why they're the treatments of choice on the market today.

PENDULUM Herbicide with pendimethalin. Now for turf!

PENDULUM provides proven turfgrass toler ance and excellent preemergent control of crab grass, goosegrass and other troublesome weeds And with its superior season-long performance people notice the difference when PENDULUM swings into action.

And although gentle enough for over-thetop application to more than 260 labeled ornamentals, 45 broadleaf and grassy weeds don't stand a chance against PENDULUM.

AMDRO Fire Ant Bait: Kills the Queen. Kills the Mound.

Fire ants may be annoying and dangerous, but they're not all that smart. That's why it's easy for AMDRO to fool worker ants into thinking it is food.

ER ONE THIS SEASON.



The worker ants take AMDRO back to the colony and feed it to the queen. The worker ants and the queen die, and the entire colony is eliminated — often in less than a week. And with baits like AMDRO, the colony won't relocate or satellite.

AMDRO is easy, because the worker ants do the killing for you. No other fire ant bait treatment works as fast and effectively to kill the mound. Which is why AMDRO is the undisputed market leader in fire ant control.

IMAGE Herbicide: Control the Uncontrollable.

IMAGE gets to the roots of the most troublesome weeds in warm season turfgrasses.

IMAGE controls previously uncontrollable summer weeds like purple and yellow nutsedge, field sandbur, and dollarweed, as well as

winter weeds like wild onion and garlic.

Attacking below the turf line, IMAGE inhibits protein synthesis in the root, so these pesky weeds starve and die. Which means it improves the IMAGE of your course — year round.

PENDULUM®, AMDRO® and IMAGE®. The professional's choice for top turf performance. They'll leave your course looking like a million bucks.

Available from quality distributors of turf products. For more information or for the name of the Cyanamid distributor nearest you, call 1-800-545-9525.



WELL-RATED PERFORMANCE ONLY FROM WATERTRONICS!

Dynamic Performance Testing of Station Functions

Our exclusive 10,000 gallon testing well permits factory-verified performance testing of all Watertronics Pump Systems. This comprehensive, dynamic testing process significantly reduces field start-up adjustments. In other words, Watertronics Systems arrive with sleeves rolled up . . .ready for work. We believe the additional factory time spent on dynamic performance testing is an important tool for building long-term customer product satisfaction.

Pumping Systems Customized to your Specific Needs

Watertronics Systems range in size and application from compact landscape/sports turf models, to vertical turbine pumping units with fixed or variable speed motor controls. Centrifugal pump stations for wet sump, flooded suction or booster applications are also offered. With all systems the user receives a comprehensive report of actual pres-

sure and flow performance including specific wire-to-water energy efficiencies. Watertronics' reputation for performance is well-rated!

EBV Controls Provide Highest Accuracy & Reliability

Fixed-speed models feature our Electronic Butterfly Valve (EBV) pressure regulation. It provides precise surge-free performance from each pump without the energy-robbing pressure losses of hydraulic valves. This patented control process is optional on all our VFD models providing a full backup system in the event of a drive malfunction as well





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Exclusive 10,000 Gallon Test Well

permits factory-verified performance

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- A. Golf Course Superintendent
 - ☐ K. Assistant Superintendent
 - ☐ B. Green Chairman/Dir. Grounds
 - ☐ C. Director of Golf/Head Pro
 - D. Club President
 - ☐ E. General Manager
 - ☐ F. Owner/CEO
 - ☐ G. Builder/Developer
 - ☐ H. Architect/Engineer
 - ☐ I. Research Professional
 - ☐ J. Others allied to field (please specify)

My primary business is: (check one only)

- □ 01. Public Golf Course
- ☐ 02. Private Golf Course
- ☐ 11 Semi Private Golf Course
- ☐ 03. Municipal/County/State/ Military Golf Course
- ☐ 04. Hotel/Resort Course
- ☐ 10. Other Golf Course: (please specify)
- □ 05 Golf Course Architect
- ☐ 06. Golf Course Developer
- ☐ 07. Golf Course Builder
- ☐ 09. Supplier/Sales Rep
- □ 08. Other ______(please specify)

0	Number	of holes.
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- ☐ A. 9 holes ☐ B. 18 holes
- D. 36 holes
- ☐ C. 27 holes
- ☐ E. Other (please specify)

■ Total annual maintenance budget:

- ☐ 1. Under \$50,000
- □ 2. \$50,000-99,999□ 3. \$100.000-249,999
- 3. \$100,000-249,999 4. \$250,000-499,999
- 5. \$500.000-749.999
- G. \$750,000-1,000,000
- 7. Over \$1,000,000

Annual capital expenditure:

- ☐ A. Under \$100,000
- □ B. \$100,000 249,999
- ☐ C. \$250,000 500,000
- ☐ D. Over \$500,000

Purchasing involvement:

- ☐ 1. Recommend equip. for purchase
- ☐ 2. Specify equipment for purchase
- ☐ 3. Approve equipment for purchase

Circle the appropriate number for product information.

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My need for this information is: 1.

Immediate

2.

Future

All requests are subject to verification.

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