IF YOU THINK GOLF CARS TELL THE WHOLE STORY, READ BETWEEN THE LINES.

We also wrote the book on industrial, turf and commercial vehicles. In fact, E-Z-GO is the world's largest manufacturer of sport and utility vehicles. So whether you need to haul crates, carry luggage or tote golf clubs, E-Z-GO has a vehicle designed specifically for the job. Call 1-800-241-5855 for information regarding any E-Z-GO vehicle. And get the rest of the story.
Turf professionals choosing safer four-wheel work vehicle

Advanced Toro Workman™ eliminates need for three-wheel configuration

TURNING PERFORMANCE AND SAFETY. Turf care professionals have rarely used both words to describe the benefits of the industry's heavy-duty work vehicles, and for good reason. Until now, the vehicles have primarily had a three-wheel design that, although has offered needed maneuverability, is known to be a leading factor in work vehicle roll-overs.

The Toro Company wants you to know that three-wheel work vehicles used in turf applications can be dangerous and are not necessary today. An alternative now exists.

To prove its point, Toro is publishing the results of objective, new research that confirms the danger of three-wheel work vehicles. After reading the research results that follow, Toro thinks you'll agree:

• The four-wheel work vehicle configuration is safer than the three-wheel vehicle design.
• The need for three-wheel work vehicles is eliminated entirely with Toro's Workman™ vehicle. It combines four-wheel stability with three-wheel vehicle maneuverability.
• In the remote chance that an operator mistake causes a roll-over, the Workman provides a standard roll-over protection system (ROPS) and driver's side hip and shoulder restraint bars to protect the operator.

About the independent study director

Dr. Paul Riedesel

Dr. Paul Riedesel has directed research studies for a variety of Fortune 500 companies.

He has more than 14 years of marketing research experience and knows the turf care industry well. As an independent consultant, he directed the Toro-sponsored survey on work vehicle roll-overs in June 1993.

Riedesel received a doctorate in 1974 from the University of Nebraska. He has published numerous articles in scholarly, business and trade journals, and has taught graduate courses in research methods. He is president of Action Marketing Research, a Minneapolis-based research supplier firm.
Majority of work vehicle roll-overs involve three-wheel vehicles

The Toro Company sponsored an independent survey to measure the nature of work vehicle roll-overs.* A telephone survey was conducted with more than 250 randomly selected golf course superintendents who geographically represented both nine and 18-hole courses throughout the United States. The findings of the study are accurate within plus or minus 5 percent.

ONE OUT OF EIGHT HAS EXPERIENCED ROLL-OVER IN LAST FIVE YEARS.

Superintendents were asked a series of questions regarding their own experiences with work vehicle roll-overs during the past five years.

- About 12 percent of the respondents recalled one or more roll-overs involving work vehicles. Altogether they cited 43 different incidents.
- Of approximately 12,800 U.S. regulation golf courses, it is projected that 1,500 courses have had a work vehicle roll-over in the last five years.

THREE-WHEEL WORK VEHICLES ROLL-OVER MORE OFTEN.

The clear majority of roll-overs mentioned involved three-wheel work vehicles.

- Nearly 80 percent involved three-wheel work vehicles.
- Almost six out of 10 of the incidents involved a leading supplier's three-wheel work vehicle.

"It is very clear that a three-wheel work vehicle is inherently less stable than a similar four-wheel work vehicle," said Jim Seifert, senior attorney for The Toro Company.

To make an already dangerous situation worse, Seifert added, "many three-wheel work vehicle operators don't know of the vehicle's instability or the numerous opportunities to encounter unstable turf care conditions—holes, ditches, sand traps and sharp turns. Furthermore, work vehicles respond differently each time an attachment or accessory is added or a load is hauled."

ONE OUT OF FIVE EMPLOYEES WHO HAVE HAD A ROLL-OVER MISS WORK.

The reasons to decrease the likelihood of such work vehicle accidents are obvious. Increasing worker safety is foremost. Second, is preventing costly downtime from employee absenteeism, having to replace a worker and/or equipment, or simply not getting the job done.

- In 28 percent of the roll-overs cited during the survey, a superintendent reported that someone was treated by a doctor as a consequence of that roll-over. (The severity of the accident wasn't revealed.)
- Nearly one out of five workers missed work as a consequence of the accident.

These statistics confirm what the industry has known all along, according to Bruce Lunning, a senior loss control specialist for the St. Paul Fire and Marine Insurance Company located in St. Paul, Minn.

"Work vehicle roll-overs may not happen every day on a golf course, but when they do, they are the most serious accident that can happen with these vehicles," Lunning said.

"From an accident prevention standpoint, operators must be aware of the terrain they are operating on and the limitations of their work vehicle. They also need to know that these factors will change with every attachment, accessory or load that's added."

FOUR-WHEEL IDENTIFIED AS MORE SAFE THAN THREE-WHEEL VEHICLE.

- Almost seven out of 10 superintendents believe that four-wheel vehicles are more safe than three-wheel work vehicles.

These results validate the industry's need for a work vehicle that combines the best feature of a three-wheel vehicle (maneuverability) in a highly capable four-wheel design.

TOHO OFFERS OPERATOR SAFETY EDUCATION MATERIALS

The Toro Company offers many operator safety education materials produced in both English and Spanish, including the following:

- Workman 3000 Series Operator Training Videotape. This 25-minute videotape teaches operators how to use the Workman in a responsible and safe manner. A free copy comes with each Workman purchase.
- Turf Maintenance Equipment Safety Program. This program was designed specifically for golf course employees by Toro and the St. Paul Fire and Marine Insurance Company. It addresses 28 different safety areas related to commercial cutting equipment and incorporates a videotape, audio tape, written manual and follow-up tests.

Copies of the turf maintenance equipment safety program and the Workman videotape can be purchased for a small fee from your local Toro distributor by calling 800-803-TORO (8676) and touching extension number 152. For the Workman videotape, request Form 93-110-SV. For the equipment safety program, request Form 92-794-SV.

Supervisors can choose from many operator safety education materials offered by Toro.

Conclusion: Toro Workman replacing three-wheel work vehicles

The move from three-to safer four-wheel work vehicles is no surprise to The Toro Company. It was a logical evolution—not just a passing trend—that the company saw coming. That's why it made the decision to meet both needs—safety and turning performance—in its Workman vehicle.

In fact, in the survey regarding roll-overs, Toro found that a significant number of golf courses—projected to be more than 3,000—may have changed their mix of vehicle types within the past five years, at least in part from concerns about three-wheel work vehicle safety.

And with good reason, said Jim Seifert.

"Superintendents fear the remote risk of a lawsuit if the employer has a history of work vehicle roll-overs and is found to exhibit gross negligence. In some instances, employers can be fined by OSHA, as well," Seifert said.

"Depending on the nature of a roll-over incident, there is also the possibility of job loss for the superintendent, and a damaged reputation for the golf course. The result can be increased premiums for general liability insurance and workers' compensation," he added.

TORO WORKMAN OFFERS A CHOICE.

Work vehicle safety is a concern that doesn't have to be a distraction anymore. Now there is a work vehicle that meets those safety and performance needs. It's Toro's heavy-duty Workman vehicle. It offers a high-performance, high-capacity design with features that mean greater safety and decreased liability risk:

- Four-Wheel Configuration—four-wheel design means greater stability (especially with different attachments and loads) than a three-wheel work vehicle.
- Operator Forward Design—large payloads are evenly distributed with enhanced balance and flotation.
- Standard Roll-Over Protection System (ROPS)—all Workman vehicles come equipped with an unobtrusive ROPS, as well as standard driver's side hip and shoulder restraint bars for operator protection in the event of a roll-over.
- Supervisors' Third High Lockout Key—supervisors can limit the vehicle's maximum speed for a safer environment and to reduce operator misuse.

The Toro Company knows that as a turf care professional, you want to get the big jobs done fast but right by protecting the health of your employees. Toro believes a four-wheel work vehicle is the best choice for accomplishing that important mission. The research proves you agree.

Choose the Workman.

The Toro Company
Commercial Marketing Services Dept.
8111 Lyndale Ave. S.
Minneapolis, MN 55420-1196

*Although Toro was the study sponsor, the research was designed and executed by an independent research company who also compiled the results. To achieve objective, neither the interviewing personnel nor the respondents were told who the study sponsor was.

CIRCLE #107
IN NEW JERSEY’S “BROWN PATCH ALLEY... I’VE HAD GREAT SUCCESS WITH DACONIL 2787®.”

This part of New Jersey might be called “Brown Patch Alley,” exclaims Tim McAvoy, certified golf course superintendent at Fox Hollow Golf Club in Somerville, NJ. “The terrain, the soil, and the grasses we grow seem to make us more susceptible.” Fortunately, Tim has found that Daconil 2787® Flowable Fungicide from ISK Biosciences Corporation “has a great ability to stop Brown patch every time.”

Stops Dollar spot, too!

Fox Hollow’s greens are bentgrass, Tim says, “and unfortunately, Poa annua.” Recently renovated tees are 100% bentgrass, while the fairway grass is a combination of fescue, rye and Poa. That makes the fairways more susceptible, he believes, to Brown patch and Dollar spot.

“The fairways are where I use Daconil 2787 most,” he says. “Starting in late June, I pretty much follow a 10- to 14-day preventive schedule for both diseases.

“We try to make good use of all the products and cultural practices available to us.” Tim adds. “We use a slow-release urea-type fertilizer in the spring and then little or no nitrogen until September. We watch the water so we’re not exceptionally wet, and we dethatch and do some other things to keep the microclimate as cool as possible when the turf is under the most stress.”

Tank mixing saves time.

Besides great Brown patch and Dollar spot control, superintendents get still another important benefit from Daconil 2787: “The flowable formulation is compatible with so many other products,” says Tim, “I can tank-mix and knock out two or three diseases. With so much acreage, tank mixing really helps me stay within my personnel budget.”

And with Daconil 2787 as the cornerstone of Tim’s disease-control program, he doesn’t have to worry about disease resistance, either: “As far as Daconil 2787 is concerned, I don’t think there’s ever been a documented case of resistance. I’ve always had great success with Daconil 2787.”

Have you got a Daconil 2787 success story? Tell us about it. If we use your story in an ad, we’ll donate $100 to your favorite charity. Write Jackie Tengler, ISK Biosciences Success Stories, 5885 Landerbrook Dr., Suite 215, Cleveland, OH 44124.

Always follow label directions carefully when using turf and ornamentals plant protection products.

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OPTIONAL DIAMOND PLATE STEEL CARGO BOX WITH HEAVY GAUGE, REMOVABLE STEEL SIDE PANELS, HYDRAULIC LIFT.

CONTORED TWO-PIECE, HIGH-BACK CUSHIONED SEATS WITH HIP RESTRAINTS.

BIGGEST PAYLOAD IN THE INDUSTRY: 2,200 LBS (2,800 LBS TOTAL CAPACITY).

Tailgate hinged top & bottom, with auto-release for dumping.

FULL REAR FENDERS HELP PROTECT AGAINST DIRT & DEBRIS BUILD-UP.

Brake / Taillights.

Remote hydraulic control.

Fifth-wheel attachment capability.

Oversized, 4-ply Ultra-Trac flotation tires, 24x13.50-12, minimize compaction.

Rugged steel frame.

Truck-type differential and rear axle with heavy-duty tapered wheel bearings.

BEEFY, MULTIPLE-LEAF SPRING SUSPENSION AND HEAVY-DUTY SHOCK ABSORBERS.

Big 8.6" self-adjusting hydraulic, internal expanding, drum-type rear brakes.

Live hydraulic PTO for quick attachment change-out – No tools necessary.

4-speed transmission with high/low range selector for 8 forward speeds from 1.7-19.5 MPH.

Heavy-duty 7.25" commercial clutch.

The all-new Jacobsen SV Series – loaded with everything, ready for anything. This is the one customers like you have been asking for. A vehicle built from the ground up for toughness, and designed from the operator out for superior all-around productivity.
With so many features standard, the Jacobsen SV is more than a new utility truck. It's the first true service vehicle system. A system that accommodates most leading attachment makes and models in addition to our own high-capacity, all-hydraulic line of attachments.

The Jacobsen SV Series. A bold new look. A bold new statement of what utility equipment value is all about.

For more information, or to arrange a demonstration of an SV Series vehicle, contact your Jacobsen dealer today.

JACOBSEN

THE PROFESSIONAL’S CHOICE ON TURF.

CIRCLE #122
On November 11-12, the Country’s Most Savvy Superintendents, Managers, Owners, Operators, and Developers of Public-Access Golf Facilities Will Meet In Orlando

Now there is a national trade show and conference targeted to the fastest growing part of the golf course industry. It’s called Golf Course Expo, and when you attend, you’ll find the show dedicated 100% to public-access golf—daily-fee, semi-private, resort, and municipal courses. And Golf Course Expo is designed just for you!

Strictly Public-Access. No Need to Translate Private Course Solutions to Your Public Operation

Save money and months of investigation by pinpointing the vendors who can help you on the trade show floor. Tour the show floor and talk shop with the leading companies for all your needs—equipment, chemicals, seed, builders, accessories, sod, golf cars, consultants, management software, fertilizers, architects, marketing firms...the list goes on and on.

Bring the Whole Team and Multiply the Benefits for Your Course

Golf Course Expo is a must for superintendents, managers, owners, operators, general managers, golf administrators, directors of parks and recreation, builders, architects, and developers. This is a great chance for all of the individuals who make buying decisions at your public-access course to find key products and services that will help you operate your facility more effectively and efficiently.

Backed By the Know-How Of Golf Course News

With monthly coverage of the golf course business, we’ve built a knowledge base of critical issues that are important to you. And we have invited participation by industry vendors who recognize the needs of public-access golf courses. Our demonstrated commitment to the industry means we’re dedicated to your success.

They’ll return home on November 13th armed with new ways to make their operation more profitable—increase revenues, cut maintenance costs, do more with less, and deliver solutions.

Be Among Them (and You’ll Be Savvy Too)

Name _
Title _
Organization _
Address _
City _ State _ Zip _
Phone _ Fax _

Golf Course Expo is for the trade only, you must be 18 to be admitted.

Return to: Golf Course Expo, Golf Course News, PO Box 997, Yarmouth ME 04096 or fax to 207-846-0657

CIRCLE #195
Advanced Applicator is a Cost-Effective Solution for Spot Treatment.

The Pro-Ap is the only hose-end, liquid siphoning applicator specifically designed for golf course use. The refillable Pro-Ap container holds one quart of Hydro-Wet RTA, the “Ready-To-Apply” wetting agent formula. Hydro-Wet RTA alters water’s behavior while interacting with water repellent surfaces found in the soil. The superior ingredients in Hydro-Wet RTA are attracted to organic soil coatings known to produce hydrophobic conditions. The result is increased water infiltration, absorption, and reduced severity of localized dry spot.

The Pro-Ap makes accuracy easy. Its adjustable metering dial lets the applicator choose nine additive settings or syringe only. And there’s no need to water-in because the Pro-Ap’s needle valve meters just the right amount of Hydro-Wet into the water flow.

For more information on the Pro-Ap application system, circle the number below, or call Kalo, Inc., toll-free: 1-800-255-5196.

CIRCLE #143

Simple Test Identifies Hydrophobic Soils.

It is nearly impossible to visually identify hydrophobic soils, but there are several simple tests for determining their presence. The following was included in a 1989 article by Keith Karnok and Kevin Tucker of the University of Georgia.

“This test... simply involves the placement of small drops of water along the length of intact soil cores at 1/2 inch intervals. The length of time (seconds required for the droplet to penetrate into the core) is recorded. Penetration times greater than 10 to 15 seconds usually indicate a hydrophobic condition.” (The average water droplet penetration times from healthy areas is usually less than 3 seconds.)

Golf Course Management, August 1989.

CIRCLE #144

Getting the Drop on Localized Dry Spot.

In mid-summer, golf courses turn into battle grounds as superintendents fight to maintain those lush fairways and greens. The battle heats up even more when you have to deal with increased traffic, changing attitudes toward the use of chemicals and restrictions on water use.

One of the scars of this battle is localized dry spot (LDS). What is most perplexing is that LDS symptoms may occur even after normal irrigation.

LDS is most prevalent on greens built mainly of sand and established to bentgrass. It’s caused by fungi which leave a non-organic coating on sand particles. Once soil moisture levels begin to decrease, water runs off the turf, leaving the soil dry and powdery. This hydrophobic condition makes rewetting difficult. If left untreated, LDS can result in turfgrass death.

Short and long term management practices to minimize the severity of localized dry spots include: syringing, coring and the use of wetting agents. Wetting agents can reduce LDS by improving the ability of water to bond with these sand and soil particles. They can also increase the wettability of thatch.

Preventive applications give the best results, but curative applications can also be effective.


CIRCLE #145

Cure Dry Spots.

Call Kalo now at 1-800-255-5196 to find out how you can qualify for a free Pro-Ap™ applicator with the purchase of Hydro-Wet RTA.

Hydro-Wet®

Keeps Water in Its Place.

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Kalo, Inc. 4550 W. 109th Street Overland Park, KS 66211

*$89.95 commercial value. Subject to distributor participation.

CIRCLE #146
"We reduced our trimming labor by 50%.

"Applying Embark after trimming around the edges of our bunkers cut our labor in half. Using a ChemLawn spray gun, we made three applications last year, putting the PGR down in two to ten foot bands, depending on the slope. Our chemical costs were about $35.00 per acre, including Ferromec® AC Liquid Iron, and we estimate that we saved $340.00 in labor each time."

Tim Taynor, CGCS
Sugar Valley Country Club
Bellbrook, Ohio

Get the Embark edge!

Manicured turf requires a great deal of tedious trimming and edging. Did you know that up to two-thirds of this time-consuming and costly labor can be avoided? Simply make a banded application of Embark Lite following each string trimming.Trimmed edges will generally hold for six weeks on most species.

Embark Lite can be applied with a handgun or backpack sprayer. And now, while supplies last, we’ll ship you a $95.00 SP-1 Back-Pack Sprayer for only $35.00 when you buy two gallons of Embark Lite.

Simply send your proof of purchase and a check for $35.00 plus $5.00 for shipping and handling to PBI/Gordon Corporation prior to August 30, 1994. Delivered via UPS. Limit one per customer.

Apply Embark Lite where you string-trim most (but want to less).