E-Z-GO rolls out PDS golf cars

E-Z-GO unveils the patented Precision Drive System (PDS) featuring three distinct performance options, allowing golf course management to tailor the operating characteristics of its golf cars to the course’s individual and unique terrain. The rationale for this new technology came from a very simple observation: no two golf courses are exactly alike.

PDS offers three different factory pre-set performance options that allow golf course management to choose the amount of vehicle top-end speed and pedal-up and pedal-down braking strength necessary to ensure optimal performance. The all-terrain option is intended for flatter golf courses that want similar performance characteristics to existing E-Z-GO cars. The steep hill option is intended for courses with plenty of elevation change and steep hills. These cars have a maximum level of regenerative braking adding pedal-up braking when the car is traveling in excess of 10 mph. The mild hill option is intended for courses that are not extremely hilly, with milder pedal-up braking.

Additional features include: walk-away braking, anti-rollback protection, anti-stall protection and high-pedal disable. An on-board troubleshooting system can detect 15 of the most common faults for vehicle downtime, from low battery voltage to solenoid coil failure, allowing the vehicle to be diagnosed and returned to service much faster.

New Hover Mower from Eastman Industries

Eastman Industries has developed the HM16R2, a new hovering mower powered by a proven and reliable Robin 2-hp, two-stroke engine. Its new deck design virtually eliminates scalping and ensures a quality cut.

It is ideal for steep slopes and banks and other hard-to-reach areas. A constant cushion of air beneath the deck also allows operators to mow in any direction at any time, increasing productivity. The mower’s aluminum cutting disc and three stainless steel blades cut a 16-inch path. Cutting height is adjustable from 1 to 3 inches. Other features include ergonomically constructed steel handles and a 12-inch impeller to generate optimum airflow.

Toro’s Reelmaster rolls light, cuts big

The new Toro Reelmaster 5500-D combines a light-footed, smaller tractor unit with large-diameter cutting reels to deliver a high level of productivity and quality of cut.

The Reelmaster 5500-D’s cutting units deliver a 100-inch cutting width. The 7-inch cutting units have turf compensation adjustments and new rear rollers so they follow the ground’s contours smoothly. The front wobble rollers are machined rather than cast, resulting in a smoother finish that rolls cleanly and easily over the turf. The cutting units’ height of cut can be adjusted between 3/8 and 1-1/2 inches.

The new cutting units add versatility to a fleet of Reelmaster mowers since they are interchangeable and can be used on Toro Reelmaster 6500-D and 6700-D models. Its Kubota D1105-TE 32.5-hp turbo diesel engine provides power to operate the 5500-D’s aggressive cutting units, on challenging, uneven terrain.

The Reelmaster 5500-D’s larger, wider footprint results in lower compaction of the turf and the tractor unit rolls on wide, large-diameter tires that minimize scuffing.
Precision’s ProBlow moves air into turf

The TurfAeration system from Precision Small Engine, is a portable, self-contained, variable pressure system for sub-surface air movement. It displaces air into the drainage system of your USGA green to aerate roots or remove excess water. Precision’s ProBlow units come in a variety of configurations including: a trailer mount, bed mount and a 3-point hitch. Each Precision’s ProBlow unit is powered by an 18-hp Kohler Command, 4 Cycle, V-twin engine.

Mid Vac cleans up

The new Goossen Mid Vac is a compact self-powered vacuum system that is the right size for quick clean up. The Mid Vac features a unique rotating rubber finger dethatcher to help lift debris out of the turf and into the vacuum. It’s 5-foot width and short wheelbase allows the Mid Vac to be used in smaller areas where turning radiuses are tight. It is powered by a 22-hp Robin engine and can be towed behind utility vehicles and tractors.

Cut it close with the Pro-Flex 120

Progressive Turf Equipment introduces the Pro-Flex 120, a new Rotary finishing mower that is well-suited to contour mowing. The Pro Flex 120 requires a 35-hp engine and has five 28-inch decks and a cutting width of 10 feet. The two wing decks can be raised, reducing the cutting width to 6 feet and allowing the remaining decks to mow in more confined areas. The mower also features an open rear discharge that gives a clean, even dispersion of clippings providing excellent aftercut appearance.

Turfmaker seeds it

The Brillion Turfmaker Junior seeder, available in 4-foot and 6-foot models is maneuverable in tight seeding conditions. The Turfmaker Junior has a 7-bushel hopper capacity and 11 high-rate seed metering cups that evenly distribute grass seed over the 48-inch seeding width. The 6-foot model has an 11-bushel hopper capacity and 17 high-speed seeding cups across the 72-inch seeding width.

On-the-spot sprayer

The spot sprayer from Earth and Turf is designed to fit in the bed of utility and ground maintenance vehicles. The 25-gallon spot sprayer features a 12-volt, 7-amp Shurr Flo pump with on/off controls that connect to the transport vehicle. The non-corrosive hand-gun comes standard with a 12-foot hose. Its rubber feet prevent the unit from slipping on metal beds.
Micro-Trak’s MT-3405 offers total control

The MT-3405 automatic 5-boom rate controller from Micro-Trak is a new generation electronic rate controller. The MT-3405 monitors up to eight different functions: application rate, flow rate, total flow, speed, distance and area per hour, plus two area counters with independent resets. Individual boom switches are included on the console to control up to five separate boom sections. The delta adjustment feature changes the application rates automatically without stopping to re-calibrate the unit. The MT-3405 comes complete with console, 3/4-inch flow meter, 1-inch servo valve, hall-effect speed and flow sensors and weatherproof connectors.

CIRCLE # 214

New Hilliard brakes and clutches

The Hilliard Corp. introduces clutch and brake products including a bi-directional differential, bi-directional clutches, centrifugal clutches, an engine braking system and a wheel clutch. Applications include commercial mowers, utility vehicles, snow-removal equipment, golf carts, blowers and chipper-shredders. Hilliard has developed this product line in cooperation with engineers at John Deere, Toro, MTD and Crary Bear Cat. All of the new Hilliard products are designed to minimize turf maintenance problems and reduce equipment damage.

CIRCLE #215

Competitive Prices
Always.

Quality Raw Materials
Always.

On Time Delivery
Always.

Correct Shipments
Always.

Accurate Invoicing
Always.

You get what you expect and more with our fertilizer products and service...always.

November 1999 23
Roll-sod provides ground cover

Bitterroot Restorations, Inc. now offers two new pre-vegetated coconut fiber products from Bestmann Green Systems. Sod pallets are pre-vegetated wetland pallets measuring 4 inches by 2.5 inches and wetland roll-sods are pre-vegetated roll-sods measuring 16.5 inches by 3.2 inches. These products are ideal for situations where instant cover and visual impact are required such as around created ponds, lakes and stream banks. The pallets and the roll-sods can be pre-vegetated with variety of wetland plant material from shallow emergent to deep emergent species. They can also be planted with riparian trees and shrubs.

CIRCLE #216

SRO's new releases

Brighton SR 1120 creeping bentgrass is the newest variety in Seed Research's bentgrass line, combining the heat stress tolerance and aggressive growth of SR 1020 with improved dollar spot resistance from Providence. Brighten has excellent root growth and high shoot density.

SR 4500 perennial ryegrass is a new generation of perennial ryegrass. It forms a dense, dark green turf with the ability to withstand summer stress, and has excellent resistance to dollar spot and brown patch.

SR 8600 tall fescue is a dwarf variety with a dark green color and high turf quality. It has high disease resistance and the ability to persist under poor conditions. Unlike many dwarf tall fescues SR 8600 combines high turf quality with high stress resistance. It has high levels to endophyte to help survive adversity.

CIRCLE #219

When someone suggests you spend more money on a less effective preemergent, it's time to hold on to your wallet.
High-grip surfaces from Carlisle
Carlisle Surfacing Systems (CSSI) offers the golf industry two high-traction and resilient rubber surfaces that are ideal for high-traffic areas. Carlisle's Softpave and Softroll surfacing systems give golfers a durable, comfortable and high-traction walking surface.

Field trials confirm that PENDULUM® consistently gives you more dependable, broad-spectrum weed control than any other preemergent herbicide. So, even when compared to premium-priced products, PENDULUM controls more weeds. You can take that to the bank.

For the PENDULUM herbicide distributor nearest you, call 1-800-545-9525, ext. T2611. Or visit our website at www.turffacts.com.
**IRRIGATION**

SuperSurge protection from IAP

Irrigation Aftermarket Parts Corp. (IAP) announces the release of its new SuperSurgeRB+ surge-protection system. The new system incorporates a complimentary design for seamless integration into the Rain Bird PAR+ and MSC+ field satellite controllers. The system incorporates a motherboard central platform with built-in surge protection for the two-wire communications circuit and at-a-glance indicator lights for easy in-field troubleshooting. The OEM wiring harness is utilized with no modifications. It is easy to install in either existing systems or by adding it to the satellite controller prior to installation using only simple hand tools.

**CHEMICALS**

Nature Safe adds Meth-Ex 40

Nature Safe Fertilizers introduces a new homogeneous formulation, 15-2-8 with Meth-Ex 40. 15-2-8 combines the organic nutrition and fertility of Nature Safe with the predictable release of Meth-Ex 40. 15-2-8 with Meth-Ex 40 will replace the urea fortified 14-3-6 formulation previously offered.

Clean lakes from top to bottom

Aqua Control Inc. announces the release of Clear Away and Waste Away, two new products that offer an all natural, environmentally safe way to clean lakes and ponds of surface and bottom organic matter. Both contain freeze-dried microbes inside micronutrients that are activated when applied to water. The microbes work by reducing the nutrients organic matter needs to grow. Clear Away enhances water quality and clarity by eliminating floating organic matter. Microbes metabolize nitrogen and phosphorus, preventing excessive proliferation of organic matter and disrupting the cycle of growth, death, decomposition, and re-release of nutrients. Waste Away helps regain the natural depth of a pond or lake by consuming the build up of bottom waste. Microbes metabolize organic waste including: leaves, grass clippings, dead marine life, decaying algae and weeds and feces.

**Precision performance.**

New manual Turbo Disc Filters

Miller-Leaman, Inc. has released its new manual Turbo-Disc Filters. The filters are designed to be used on surface water and well-water applications. As water enters the housing, a high-velocity spinning action occurs, spiraling heavier particles away from the disc cartridge, down to the bottom of the filter. These accumulated particles are then flushed from the filter via the 3/4 inch connection at the base of the filter housing. The Turbo-Disc Filter is also available in a fully automatic, self-cleaning version.

**Jacobsen Cushman Ransomes Ryan**

AJACFM4029 © 1999 Textron Turf Care And Specialty Products.
Millennium controls
Howard Johnson Enterprises, Inc., announces the addition of Millennium to its line of commercial broadleaf weed control fertilizers. Millennium, a premium broad-spectrum weed control product containing 2, 4-D, Clopyralid and Dicamba, is now available impregnated on fertilizer. Millennium will control weeds such as clover, ground ivy, spurge, and oxalis.

Flexx speeds recovery, improves turf density
Plant Health Care, Inc. introduces Flexx, a dry, water-soluble biostimulant premix for use in golf turf installation and maintenance programs to reduce stress, stimulate root growth and correct nutrient deficiencies. Flexx is a 3-in-1 package with fully chelated micronutrients, biostimulants and beneficial bacteria, and Yucca extract wetting agent. Flexx Premix speeds turf recovery from traffic and disease damage, improves turf density and durability, and increases rooting depth to create optimal playing conditions.

The biostimulant ingredients in Flexx include humic acids, cold water sea kelp extract, natural sugars, vitamins and other organics that encourage microbial activity in soil and root growth. Flexx is available in 7 lb. bags, which can be added directly to the spray or injection tanks before spraying or watering.

In a world separated by millimeters. Jacobsen greens mowers are the only choice.
The most comprehensive fleet in the industry is also the most recognized for delivering a precision-perfect cut with every pass. Our legendary reels feature exclusive metal alloys and an uncompromising machining process. Flawless bedknife-to-reel tolerances, optimum clipping rates, exact cutting heights, superior ground speed control and superb balance come together in perfect order to deliver consistent precision performance. Unequaled in design. Unparalleled on the green. That's why more superintendents count on Jacobsen greens mowers for their most critical maneuvers. Shouldn't you? Call 1-888-922-TURF or visit www.ttcsp.textron.com for your nearest dealer.
**SHOP GEAR**

**Blade grinding quick and easy**

The Blade Rite 2000 from Bernhard and Co. Ltd. is designed for the golf course with a small number of reels. You can spin grind cylinders, add relief, single blade grind and sharpen your bed knives all with this all-in-one unit. Features include: compact variable speed drive.

Grind it with the Rapid Relief 1000 control, a built-in vacuum system and a hydraulic lift integrated into the grinding table to eliminate heavy lifting. With one to three passes per blade, relief is restored. The machine is driven by standard shop air and can save you hours of dismantling, relief grinding and re-mounting.

**CIRCLE # 235**

**Landa’s CL-304 keeps it clean**

Landa’s new above ground CL-304 Black Water Cleaning Systems introduces a new economical, above-ground, self-contained, wash-water recycling system. Model CL-304 is a compact version of Landa’s most popular environmental systems that is economical, but large enough to handle the typical flow of a single pressure-washing operation.

The unit handles waste water flows of 1 to 5 gallons per minute. It offers a raised solids-separation tank for above-ground handling of medium- to light-dirt loads in a wash operation; a system that is self-contained, making installation remarkably simple and quick; and filters that are easily backwashed or cleaned for reuse. The CL-304 comes in three electrical configurations, 230V 1ph, 230v 3ph, and 460V 3ph.

**CIRCLE # 236**

**The Pro-M gets you underneath**

Trion Lifts introduces the model Pro-M workstation as an integral component of a state-of-the-art turf equipment maintenance shop. New optional accessories allow you to further customize the Pro-M as a complete full-service maintenance bay specific to your unique shop needs, including truck service capability.

**CIRCLE # 237**

**Store safely**

Safety Storage, Inc. introduces the model 1610 prefabricated, relocatable steel building designed for the safe storage, handling, and use of chemicals and hazardous materials.

The model 1610 buildings provide 129 square feet of storage space. They are fabricated from heavy gauge steel, structural channel, and tubing. Standard features include built-in secondary containment, removable galvanized steel floor grating, chemical-resistant coatings inside and out, and a security locking system with an inside safety release on each door.

**CIRCLE # 238**

**CIRCLE # 239**