

## Cushman spray vehicle reduces ground pressure

LINCOLN, Neb. — The Cushman Turf Master is a new spray vehicle.

Mounted on a 3-wheel Cushman Turf-Truckster with the exclusive Cushman pin-disconnect mounting system, the vehicle is equipped with special high-flotation tires that reduce ground pressure by approximately 50 percent.

The Turf-Truckster also is equipped with a new spring-over-shock absorber front suspension system with automotive-type rubber mounts at the pivot points. The new suspension system reduces wear and does not require lubrication.

The spray unit is available with either 15-foot or 20-foot spray booms, supplied by a 160-gallon molded fiberglass tank. The vehicle



Cushman Turf Master

operator can adjust spray pressure and on-off for each boom section from the vehicle seat. The vehicle's exclusive ground-driven PTO automatically stops the spray application when the vehicle is stopped.

For more information, contact: Cushman Inc., P. O. Box 82409, Lincoln, Neb. 68501. (800) 228-4444.

CIRCLE NO. 301

## Tall fescue offers lower growth

Lofts' new lower-growing tall fescue, Rebel Jr., is distinguished by its darkness, according to Research Director and Vice President Richard Hurley.

Rebel Jr. also offers moderately low growth, excellent performance in full sun or moderate shade, and requires only low to medium maintenance.

Dense, persistent and slower growth as well as superior overall performance characterize Rebel Jr., Lofts says. It adapts to a wide range of environmental conditions (including heat, drought and cold), and resists damage from insects and disease.

It shares the fine leaf texture of extremely low-growing (so-called "dwarf") varieties.

Rebel Jr. is an offspring of Rebel and Rebel II.

For more information contact Lofts Seed Inc., Bound Brook, N.J. 08805-0146 or call 800-526-3890.

CIRCLE NO. 306

## Wetting agent stops burning

ROOTSinc has introduced NoburN Natural Wetting Agent and soil penetrant.

NoburN is a steroid saponin extract from the desert yucca plant. Unlike synthetic wetting agents, NoburN does not have to be watered in after each application, and it will not burn or discolor leaf tissue when it is applied in hot or dry weather.

Steroids saponins are natural floccing agents that open the soil to air and water by aggregating soil particles. They are nature's wetting agents, increasing the movement of water through hydrophobic soils, improving water penetration and retention.

For research and technical information call 800-342-6173.

CIRCLE NO. 308

## Sam Snead and Bunton Co. join forces

LOUISVILLE, Ky.—The Bunton Company recently announced affiliation with PGA and World Golf Hall of Fame member Sam Snead while introducing several new golf course maintenance products.

Bunton's expanded golf line embraces a lightweight 5-gang fairway mower, hydraulically controlled tow-behind fairway and approach mower, hydrostat rotary mower, and rear-mount rotary mower.

The 5-gang fairway mower cuts a precision 100-inch swath, and is equipped with all-wheel drive, grass catchers and power steering. Ninety

percent of the parts for the mower and Triplex greensmower are interchangeable.

The pull-behind mower, equipped with three nine-blade hydraulically-driven reels, lets the user give open areas a manicured look with substantially less labor. It is much safer to use in populated areas because the reels are designed to prevent debris from being thrown.

An auto-tracking feature allows all three reels to pivot and steer, eliminating scuffs and maintaining a uniform cut even in tight radius turns.

The rotary mower has a zero turning radius and infinite variable speed adjustment that allows for maximum maneuverability.

Finger-tipped levers at the handle grips independently control forward, reverse and power-turning.

The rear-mount mower has three blades that deliver up to a 71-inch cut on even the roughest open mowing areas. It attaches easily to a Category 1 hitch-equipped tractor.

Contact Bunton Co., 4601 E. Indian Trail, P. O. Box 33247, Louisville, Ky. 40232-3247. (502) 966-0550.

CIRCLE NO. 310

# At 2.2 Redefines T

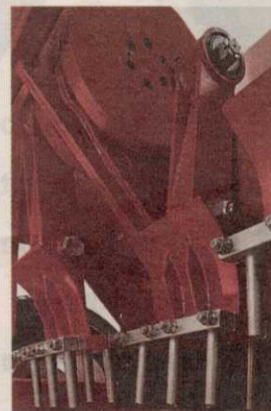
Whoever said you had to sacrifice aerating speed for hole quality must be working for the competition. Introducing the Toro Fairway Aerator. Now you can aerate 61,000 square feet an hour at speeds up to 2.2 mph with exceptional hole quality. That's about four times as fast as other reciprocating models. A wide swath pattern and fast speed put the Toro Fairway Aerator way out in front.

By trying to match Toro productivity, the competition sacrifices a tight coring pattern, and opens up their spacing.

The competition can offer you speed with their non-reciprocating models, but you'll pay for it with poor depth and hole quality.

The Toro Fairway Aerator gives you clean, consistent hole quality plus adjustable coring depth control. Up to 5" with the two-tine head and up to 3" with the six-tine head. All easily adjustable with brackets on each side of the unit.

When you do heavy-duty work, you need heavy-duty components. With an all gear drive and tapered roller bearings, the Toro Fairway Aerator is built to withstand the punishment of high capacity aeration. And there are no belts or chains to slip or break.



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## New kit allows quick response to chemical spills

NORTHBROOK, Ill. — With the new spill response kit from Precision Laboratories Inc., workers can respond quickly and efficiently to small emergency spills in the field or at temporary work sites.

Equipped to handle up to a 5-gallon spill, the lightweight kit is an ideal tool for golf course maintenance, police, fire and emergency vehicles, hazardous waste haulers and lawn care companies.

The kit also is recommended as a

protective measure for those transporting or spraying pesticides or other hazardous or potentially dangerous materials.

The kit consists of a fluorescent nylon carry bag, three large chemisorb tubes to quickly surround and contain the spill, and two large chemisorb pillows to completely absorb and further contain the spill.

Chemisorb is a fast-acting, universal sorbent capable of picking up 21 times its own weight. Within 30 seconds, non-flammable chemisorb absorbs 80 percent of its capacity.

Contact Precision Laboratories, Inc., P. O. Box 127, Northbrook, Ill. 60065. (800) 323-6280.

CIRCLE NO. 302



Precision Labs spill response kit

## Camera helps ID insect problems

RF Inter-Science Co has announced a new portable camera adaptable microscope instrument, the 25 "H" Kit.

This kit combines the Macroscope 25 with the new battery-powered Hi-Intensity Illuminator and a padded carrying case making the system a self-contained field-useable microscope providing wide field magnification of 25X. By adding the optional Macromate I, camera adapter, field photography at 25X is possible without any elaborate set-up.

Macroscope 25 units have been in use for several years in a wide variety of applications related to insect identification in horticulture. It is especially useful when insect control is practiced as it provides the user with a means to not only identify the insect but also its stage of development so that pesticide application may be optimized.

Weighing less than two pounds, the system is excellent for field work.

Macroscope 25 incorporates an interchangeable reticle that can be used for measurements in inches and millimeters. Although Macroscope 25 is designed to work with normal ambient lighting the Hi-Intensity Illuminator provides the extra illumination sometimes required to positively identify the specimen.

For more information contact RF Inter-Science Co., P.O. Box 505, Huntington, N.Y. 11743 or call 516-421-1342.

CIRCLE NO. 305

## Combo kit prunes all size branches

LEWISTON, Idaho — A power pruner combination unit is being marketed by Technic Tool Corp.

The unit consists of the original power pruner telescoping drive shaft with a chain saw cutting head and a circle saw accessory.

The accessory, with its 5-1/2-inch blade, is designed to cut 1-1/2-inch and smaller limbs. The 10-inch bar and chain of the chain saw cutting head handles larger cutting chores.

The tools can be maneuvered between branches, and have special cutting shoes that ensure a clean, precise cut.

Weighing only 16 pounds, the pruner can be used from the ground or a bucket truck.

Both accessories quickly attach to the pruner's telescoping drive shaft. The length of the shaft — up to 11 inches — provides safety for the operator: the saw remains a safe distance away from the operator's face and the cut limbs will fall far from where the operator is standing. For additional safety, the safety guard moves the sawdust away from the operator.

Contact Technic Tool Corporation, 725 29th St. North, P. O. Box 1406, Lewiston, Idaho 83501. (208) 746-9011 or (800) 243-9592.

CIRCLE NO. 309

# mph, It ne Term Fast.



For maximum width, the Toro Fairway Aerator has a coring swath of over five feet. That gives you an aerating capacity of 61,000 square feet an hour at maximum speed.

A choice of two coring patterns is available. For increased drainage and reduced soil compaction, select the 5.25" x 6" coring pattern with depth of up to 5". For better control of thatch and reduced compaction, select the 3.5" x 3.0" coring pattern with a depth of up to 3".



The Toro Fairway Aerator not only redefines the term fast, it also redefines productivity, depth quality and durability. Together they give fairways and other large turf areas the same quality aeration previously limited to greens. For a demonstration of the new Toro Fairway Aerator, call your local Toro distributor or write to the address below.

**TORO**

The Professionals  
That Keep You Cutting





Model 2200 Dakota Blender

## Dakota blender specifically built for golf courses

GRAND FORKS, N. D. — Pioneer Peat and Dakota Blenders recently introduced the Model 2200 high-performance soil blender.

Specifically designed for golf course contractors, it has an output of approximately 200 tons/hr. This portable machine can easily be towed by a pickup. It also is PTO-driven with 100-percent mechanical drive, and has a built-in stacking conveyor.

Contact Pioneer Peat and Dakota Blenders, Inc., P. O. Box 5438, Grand Forks, N. D. 58206 (701) 746-4300.

CIRCLE NO. 303

## Mower made for rough and fringe

The Micro-Mower Co. has reported an addition to its lineup of attachments for compact tractors.

With a cutting width of over nine feet, the Model 340 is specially designed to rapidly mow large areas such as athletic fields, golf course roughs and fringes, playgrounds, parks, and estates without creating a need for a large tractor or other power source just to mow.

The Model 340 has a nine-foot cutting width. It has the ability to follow the contour of the area being mowed. Three separate flail cutting heads are each free to flex both horizontally and vertically in order to maintain the fine quality cut expected by today's turf professional.

Contact The Micro-Mower Co., P.O. Box 28, West Jefferson, Ohio 43162-0028 or call 800-45MOWER.

CIRCLE NO. 311

## Honda introduces mulching mower

DULUTH, Ga. — Honda Power Equipment has introduced the HRM21, its first dedicated mulching mower.

Available in push or self-propelled models, the HRM 21 employs a unique deck design and low-lift blade which creates the proper air pattern for efficient mulching.

The low center of gravity makes the mower easy to handle. It offers six mowing height adjustments between five-eighths of an inch to three inches, and features a 21-inch aluminum cutting deck powered by a commercial four-stroke overhead valve engine with zone start.

CIRCLE NO. 312

## Cushman adds rotary mower

LINCOLN, Neb. — The "On-Demand" 4WD front-line model 1810 is the newest addition to the Cushman lineup of out-front rotary mowers.

This "fine-cut" rotary gives enhanced maneuverability on slopes or wet grass, with less chance of scuffing turf on turns.

This capability is due to the mower's all-hydraulic drive system, with individual hydraulic motors on all four wheels.

It enables the operator to mow around golf course berms, trees

and other objects on sloping terrain, using the "on-demand" all-wheel drive feature.

The front line can be equipped with a 60-inch or 72-inch side or rear-discharge cutting deck, and can mow up to 3-1/2 acres per hour.

Powered by a 22-hp, 3-cylinder Kubota diesel engine, the front line operator can engage the traction assist with split foot pedals, giving the mower zero turning radius in tight areas.

For more information on the Model 1810 or any other Cushman product contact Cushman Inc., P. O. Box 82409, Lincoln, Neb. 68501. 800 228-4444.

CIRCLE NO. 313

## Smaller plow has additional power

PERRY, Okla. — Ditch Witch has introduced a new, compact, 45-hp-class trencher/vibratory plow, the Model 4500.

The 4-wheel drive unit, smaller in size than many 40-hp-class models, packs 50 percent more power and is ideal for work in confined areas.

The 4500 is available with a selection of all-hydrostatic digging attachments, center-line trencher, dual-position trencher, vibratory plow, and combo (combination vibrator plow and trencher).

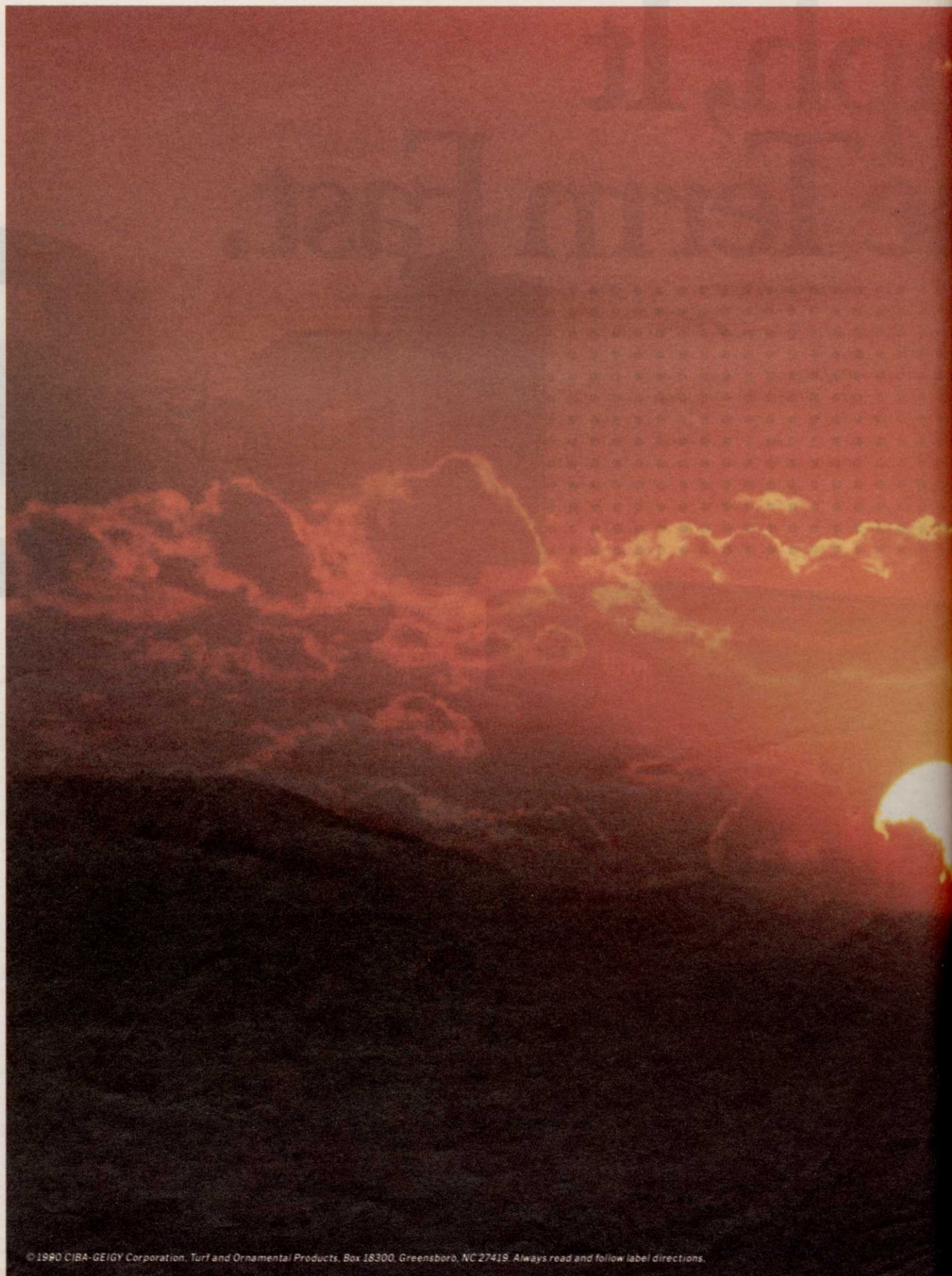
The 4500's size, plow, production capabilities and reliability are suited for underground service and distribution line installation.

The power-efficient hydrostatic digging drive motor and unique hydraulic oil cooling system makes the 4500 highly productive.

A two-speed ground drive gearbox increases drawbar pull and vibratory plowing performance.

For more information on the Model 4500 or any other Ditch Witch product, contact The Charles Machine Works, Inc., P. O. Box 66, Perry, Okla. 73077-0066. (800) 654-6481.

CIRCLE NO. 314



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## Jacobsen unveils many new products

RACINE, Wis. — Jacobsen Division of Textron has unveiled the more powerful Tri-King 1671G triplex mower.

It now has a 16-hp gas engine for more power to cut tees, fairways and fringe areas. Addition of larger 20-inch front tires gives better ground clearance and traction.

The Tri-King has a 71-inch cutting width, and a choice of five- or 10-

blade, 7-inch reels. Cutting heights can be adjusted from 3/8-inch to 3 inches, and the cutting units can be set to follow ground contours for a close cut or fixed for higher heights of cut.

Jacobsen also is offering new aerators and utility trucks.

The new Aero King PT2448 aerator is said to revitalize tees, fairways and other large turf areas. Its tines work virtually straight up and down to minimize sidewall compaction and scuffing problems.

The pattern adjusts from 1-by-2 inches to 5-by-2 inches. With a 48-inch aeration swath, the PT2448 can cover from 8,550 square feet per hour with a 1-by-2-inch hole



Jacobsen Tri-King 1671G triplex mower pattern to 42,750 square feet per hour with a 5-by-2-inch pattern.

Standard 3/8-inch and 1/2-inch I. D. tines are available along with a 1/4-inch mini-tine assembly to aerate greens with minimal play inter-

ruption. A rear-mounted crank adjusts tine depth to 3 inches below the surface.

Jacobsen's new Aero King T1224 has five available coring patterns from 1-by-2 inches to 5-by-2 inches to aerate up to 21,000 square feet per hour. A mechanical drive system means consistent hole spacing. Tines work virtually straight up and down to aerate without sidewall compaction and surface scuffing.

New Express utility trucks, available with gas or electric power, haul up to 1,000 pounds of passengers and cargo.

The 810 has a 2-cylinder, 8.5-hp overhead cam gas engine. Electronic ignition, cast iron cylinder

linings and pressurized lubrication mean fast starts and trouble-free service. The 610 has a 6.5-hp, 36-volt electric motor.

Both trucks have steel bodies, stainless steel external hardware, wrap-around bumper and flexible rear fenders.

Both haul up to 1,000 pounds, with 8-cubic-foot loadboxes, and have extra-thick, foam-cushioned bench seats. Rack and pinion steering and an automatic torque converter on gas models ease driving.

Refinements have been made to Jacobsen's 19-inch championship and 22-inch walk-behind greens mower models.

Both have an improved clutch that needs fewer adjustments, and a new differential for truer tracking. Each has an improved throttle handle and cable assembly.

A brake has been added. Working with the power's pneumatic transport wheels, the brake gives greater control on slopes, helps prevent runaways, and holds the mower in place on a trailer.

Contact Jacobsen Division of Textron Inc., 1721 Packard Ave., Racine, Wis. 53403-2561.

CIRCLE NO. 304

## Adapter improves aerator versatility

Feldmann Engineering has increased the versatility of its pull-behind aerator by designing an adapter for use with tractors possessing three-point hitch capabilities.

The adapter, sized for category "0"/"1", allows prompt adjustment of the aerator tines for soil penetration or transport.

Four bolts, included in the adapter kit, attach the aerator frame to the adapter. The bolts do not interfere with weight adjustment for core plug penetration.

Built of heavy-gauge steel, the three-point hitch adapter attaches to either the 2340-32 or 2340-48 models. Drawbar and wheel hanger assemblies are also available.

For more information contact Feldmann Engineering & Manufacturing Co., Inc., P.O. Box 908, Sheboygan Falls Wis. 53085-0908 or call 800-344-0712.

CIRCLE NO. 307

## Screen prevents pump clogging

COPPELL, Texas—Greenscape Pump Services, Inc. has introduced Float-N-Screen.

It is designed to keep the irrigation pump system inlet screen off the bottom of the water source and prevent silt and other debris from entering the system.

Major benefits are reduction of pump wear and control valve failure due to clogged screens, prevention of sprinkler clogging due to debris, and prevention of silt build-up on greens from covered intake screens.

Phone contact is (214) 393-0346.

CIRCLE NO. 315

THERE ARE  
TWO THINGS YOU  
CAN COUNT  
ON WITHOUT FAIL.  
OURS IS THE  
ONE WITH  
THE CONVENIENT  
HANDLE.

There are certain things you take for granted.

Like the sun rising each and every day.

And the fact that Subdue, applied preventively every 10-21 days, virtually eliminates the threat of Pythium.

And while the handle certainly makes Subdue easier to grab onto, it's also worth noting that, unlike the sun, Subdue comes in both liquid and granules.

For details, contact your turf products distributor.

