

Toro machine masters greens and aprons

Toro has unveiled a new piece of equipment - the Greensmaster 3000-D - designed to use on greens, aprons and fairways.

The Greensmaster is equipped with a more durable 17-horsepower liquid-cooled engine and it features power steering and an automotive-style steering wheel. The steering arm is adjustable and can be quickly raised or lowered. Height-of-cut is easily adjusted, from 3/32 to 11/16 inch.



Contact Dennis L. Brown, maager, Marketing Services, Commercial Products Division, The Toro Co., 8111 Lyndale Ave. South, Minneapolis, Minn. 55420. Circle No 232.

NEW PRODUCTS

Creeping bentgrass improved

Cobra creeping bentgrass is a new, improved variety developed jointly by International Seeds, Inc. and the New Jersey Agricultural Experiment Station.

A dark green, Cobra is said to produce turf of exceptional uniformity.

In trial results, Cobra's turf quality has been unusually high when

given bentgrass care and mowed at putting green heights of 1/4, 5/32, 3/16 and 7/32 inches.

Cobra is a favored choice for fairways and tees, where it will thrive when cut at 1/2 to 5/8". At this level, it has proved exceptionally competitive with *Poa annua*.

It has an excellent combination of heat and drought tolerance, as well as winter hardiness.

Contact International Seeds, Inc., P. O. Box 168, Halsey, Ore. 97348. (800) 445-2251. Circle No 257



Powdery Mildew gets its name from the early stage growth of a gray-white powdery fungus on the leaf surface. In cases of high incidence, entire turf areas may appear dull white. Preventive fungus growth with 1-2 oz. every 14-28 days.



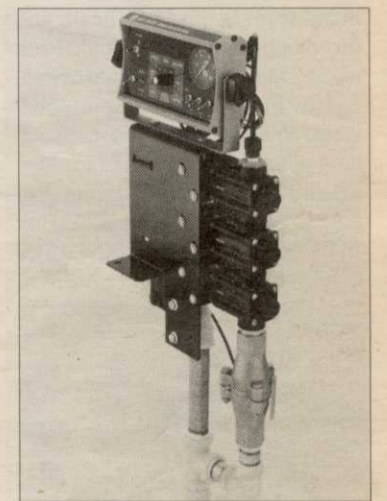
Rust shows up first as light yellow flecks on the grass leaves. If left untreated, leaf surface will eventually rupture and yellow-orange or reddish-brown pustules develop. Preventive treatment calls for 1-2 oz. every 14-28 days.



Spring Dead Spot appears as circular, straw-colored patches on Bermudagrass leaves just as they begin to green-up in spring. The rest of the plant is affected with black to brown dry rot. University research indicates preventive control can be obtained with 4 oz. applied in the fall.



Brown Patch is recognized by a "frog-eye" pattern formed by the diseased turf encircling green, unaffected plants. For prevention, apply 2-4 oz. every 10-21 days. If disease is already present, apply 2 oz. with a registered contact fungicide.



Micro-Trak kit made to fit Deere, Hahn

Micro-Trak Systems' new MTD-3000/JDH Kit takes approximately one hour to install, as all plumbing is assembled at the factory

It's made exclusively to fit the John Deere 1500 and Hahn Multi-Pro sprayers. The kit bolts to the side of the sprayer and uses existing quick couplers without cutting or adapting any hoses.

Once installed and calibrated, the unit will allow the sprayer operator to automatically stay at his target application rate regardless of changing ground speed.

In addition to a GPA readout, the unit will show total gallons applied, area covered, MPH and feet traveled.

Micro-Trak Systems, Inc., P. O. Box 3699, Mankato, Minn. 56002. Circle No 253

Tester features load switch

Among new features of "The Battery Tester" from American Monarch Corp. is a load switch which gives ability to test individual cells.

Light weight, portable and easy to use, the tester accurately measures battery capacity, using standard measurement recommended by battery manufacturers.

American Monarch Corporation, 2801 37th Avenue NE, Minneapolis, Minn. 55421. (612) 788-9161. Circle No 255

you treat each disease on its own turf.

inate rate, Banner gives you the precision to treat up to a total of twelve specific turf diseases with their own recommended rates, timing, and frequencies.

Rates that, in many cases, are lower than those that are required with other turf-grass fungicides.

Which means Banner isn't just an intelligent way

to effectively prevent disease, it's an intelligent way to prevent spending more than you have to.



© 1989 CIBA-GEIGY Corporation, Turf and Ornamental Products, Box 18300, Greensboro, NC 27419. Always read and follow label instructions. *Label pending.

RedMax goes under water

Increased safety and wide versatility are being cited as the hallmark of the RedMax Reciprocator, which can be used underwater as well as above.

Manufactured by Komatsu Zenoah America, Inc., the Reciprocator can be used as a trimmer and brush cutter, edger, branch clipper and pruner. Instead of buying three pieces of equipment, superintendents need buy only one, Komatsu says.

The machine features reciprocating blades that cut weeds, grass and small branches up to one-half inch in diameter. Its two 20-tooth blades reduce the danger of debris flying from the cutting head, and the machine does not kick back when a blade strikes a fixed object.

The Reciprocator has a solid-state, electronic ignition, a 22.5cc engine and weighs 14.1 pounds.

Contact RedMax, Komatsu Zenoah America, Inc., P.O. Box 1545, Norcross, Ga., 30091-1545. Circle No 231.



Kubota debuts tractor

The T1600H debuts as the first Kubota lawn tractor equipped with a liquid-cooled diesel engine.

Its two-cylinder, 13.5-horsepower engine delivers superior performance and operating economy.

A three-blade, 44-inch mid-mount mower provides exceptional cutting performance. A shaft drive system provides the mower and hydrostatic transmission with more power and dura-

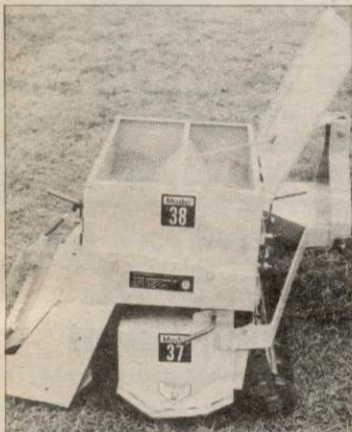
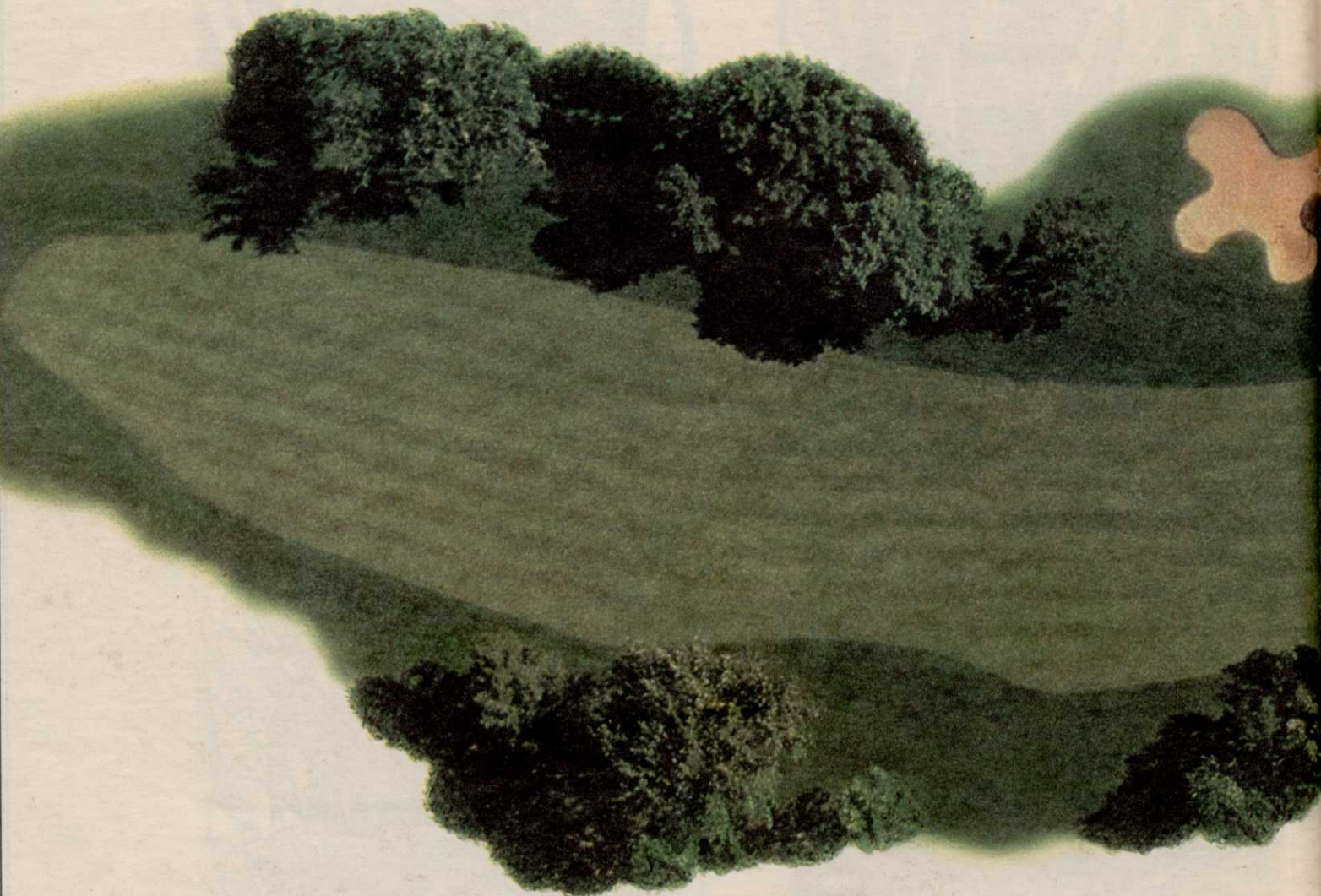
bility than conventional belt drive systems. A single pedal controls both speed and direction changes quickly, eliminating clutching or shifting.

The T1600H is compact and lightweight. This new model is designed with a full flat deck for operator comfort.

Contact *Kubota Tractor Corp.*, 550 West Artesia Boulevard, Compton, Calif. 90220. Circle No 247.



From tee



Slit seeder covers faster

Olathe's Model 37/38 is a new 30-inch wide PTO powered slit seeder with "dual level seeders" for bare dirt seeding, established turf overseeding, thatching and aeration.

This unit easily attaches to any 16-24 HP tractor with 3-point hitch and 540 PTO. The 37/38 seeds on top and into the ground for faster and better coverage.

Olathe Manufacturing, Inc., 100 Industrial Parkway, Industrial Airport, Kan. 66031. (913) 782-4396. Circle No 261

Compuflo lists host of options

Pumping Systems, Inc. introduces the Compuflo prefabricated pumping system.

Compuflow combines ease of operation, microprocessor control and cost-effective performance.

The systems provide 100 to 3,000 gallons of water per minute, are available in combinations of one to four pumps, and offer a host of options.

Automatic controls are backed by several safety features.

Pumping Systems, Inc., 10717 Harry Hines Boulevard, Dallas, Texas 75220. (214) 357-1320. Circle No 262

And everything

From the first tee to the 18th green, your reputation depends on the quality of every square foot of playing surface. That means fairways, too.

It takes a special fungicide to keep that much turf disease-free. It takes CHIPCO®

brand 26019 fungicide.

CHIPCO® 26019 provides unsurpassed control of major turf diseases, including: Helminthosporium Leaf Spot, Melting Out, Dollar Spot, Brown Patch, Fusarium Blight, and Red Thread. It even

protects against Pink and Gray Snow Mold.

And if it's economy you're looking for, CHIPCO® brand 26019 fungicide is your best disease control buy. Just one application protects turf for up to 4 weeks.

As with any crop protection chemical, always read and follow instructions on the label. CHIPCO is a registered trademark of Rhone-Poulenc.

Lebanon sells two in one

Lebanon Total Turf Care has introduced a product for Southern turfgrasses it feels can save time and money because it is two products in one.

Lebanon's Country Club 7-3-22 with Ronstar is a granular fertilizer that contains 1.73 percent Ronstar pre-emergent herbicide. Its homogeneous 7-3-22 35-percent organic fertilizer base has 1.5 units of W.I.N. and promotes turf growth and rich color.

The Ronstar controls many

a wide variety of woody ornamentals, the company says.

Lebanon says the product is for use on established perennial bluegrass, Bermudagrass, perennial ryegrass and St. Augustinegrass, killing annual weed seeds as they germinate. It says that when used as directed, the product will provide economical control of crabgrass, poa annua, goosegrass, Florida pusley, oxalis, stinging nettle, carpetgrass and pigweed.

Contact Lebanon Chemical



E-Z-GO cars convertible

The new E-Z-Go Convertible Car Kit may be used as a personnel carrier, light hauler and, of course, golf car. Put the rear seat in place and it can carry four passengers with ease.

Flip over the rear seat and it becomes a 38- by 35-inch cargo deck with an 800-pound load capacity. Fold the cargo deck for a bagwell that accommodates two golf bags.

Contact E-Z-Go Textron, P. O.



Jacobsen hails Tri-King models

Better traction and maneuverability on slopes and in wet conditions are the featured attractions for Jacobsen's new three-wheel-drive Tri-King 1471, while responsive steering and a foot-operated reel lift are the hallmarks of the new Tri-King 1671D diesel triplex trimming mower.

According to Jacobsen, turf managers had indicated there was a need for three-wheel drive in hill climbing, side-slope mowing and traction in wet conditions; and the company moved to fill that need with the 1471. It extensively tested the Tri-King last summer and found that the added hydraulic motor on the rear steering wheel significantly improved traction.

The 1471's options include five- or 10-blade reels, grass catchers, grooved or solid front rollers, front micro-height adjusters, and traction wheel weights.

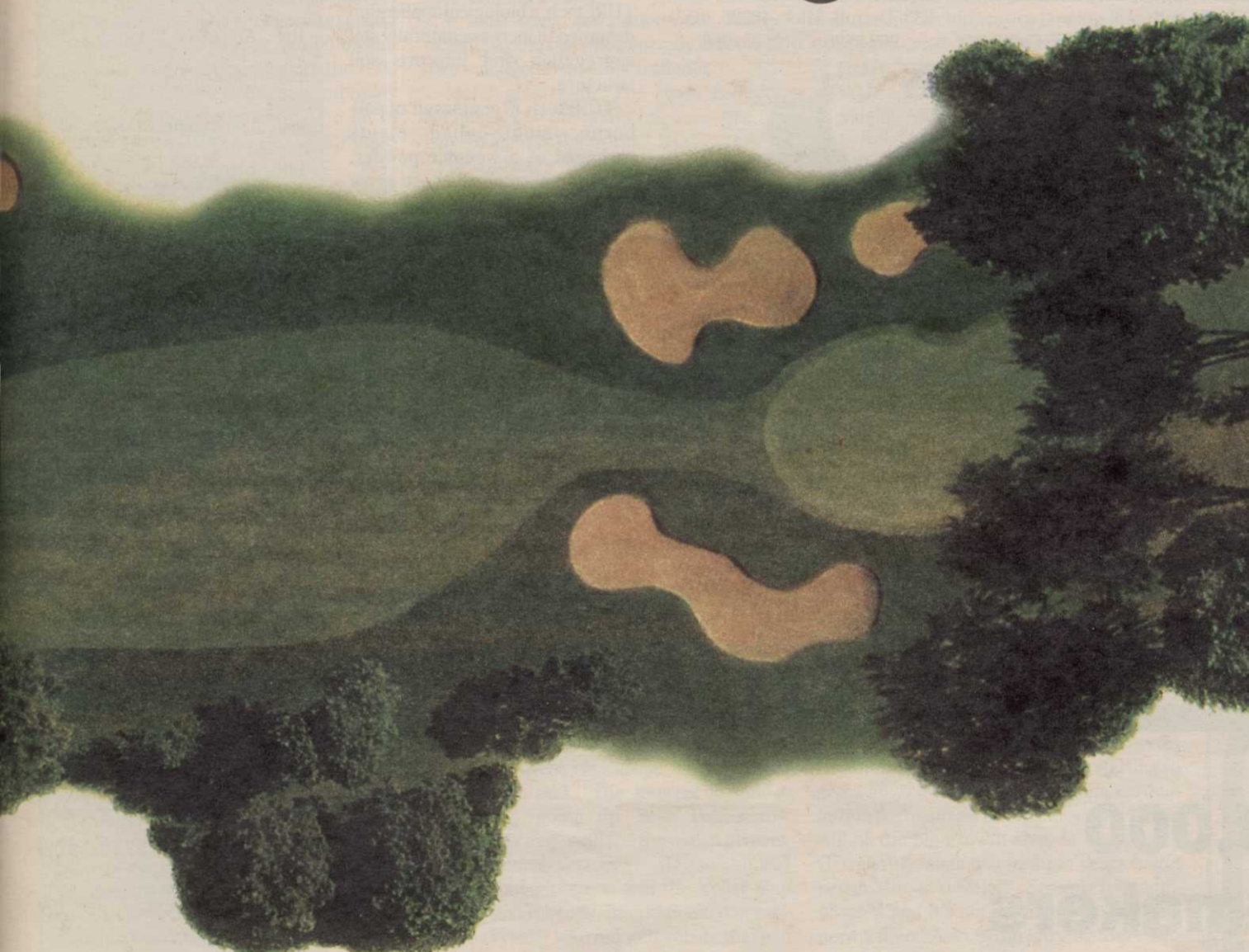
The Tri-King 1671D diesel triplex trimming mower that gives a quality cut on tees and collars and makes cross-cutting fairways easy.

The 1671D has optional three-wheel drive for superior traction on slopes and in wet grass.

The reels can be set for fixed floating operation at cutting heights from 3/8 to 2 3/4 inches. Both 10-blade and five-blade reels are available.

For more information, contact the Marketing Department, Jacobsen Division of Textron Inc., 1721 Packard Ave., Racine, Wis. 53403. Circle No 240.

to green.



ing in between.

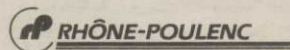
Add the fact that CHIPCO® 26019 does not burn turfgrasses, and is available in two convenient formulations—wettable powder and smooth-pouring flowable—and it's easy to see why so many top superintendents are making their

first choice for full-season disease control.

CHIPCO® 26019. It goes the distance.

Chipco® 26019

Fungicide



Pace label wins EPA approval

The Environmental Protection Agency has approved a label for Ciba-Geigy's newest turf product, Pace fungicide.

Pace is said to provide superior control of Pythium blight and yellow tuft in all turfgrasses, as well as downy mildew in St. Augustinegrass.

Pace's non-contaminated container reduces potential environmental and applicator exposure. It's packaged in water soluble bags and sold in GreenPaks.

Contact: Joe Prochaska, Ciba-Geigy Corp., Greensboro, N. C. (919) 292-7100. Circle No 264

Tee Combo multi-faceted

A wastepaper basket need no longer be an unsightly but necessary staple of the driving tee.

Ecolad Corporation offers Tee Combo's attractive and sturdy 90-pound aluminum receptacles that enhance the surroundings and provide a wealth of helpful material.

Combo's contain course and illustrated golf rules, and the day's tournament information which might include space for longest drive and closest to the pin statistics.

Each receptacle shows the hole layout. There's a ballwasher bracket with locking nut, illustrated pro pointers, spike cleaner and advertising package.

The receptacle is 44" x 21" x 21", has a 55-gallon capacity and is rust-, fire- and salt-water proof.

One-piece construction means no seams. An overlapping lid with



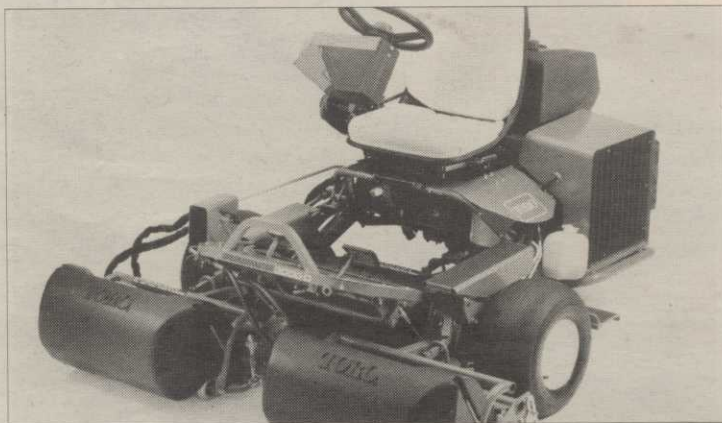
self-closing flap keeps weather and animals out.
Contact Ecolad Corp., 65 Cadillac

Square, Mezzanine Level, Suite 233, Detroit, Mich. 48226. (313) 962-3525. Circle No 266

Ransomes gang produces

Ransomes offers its high production, easy-to-operate gang mowers as an economical answer to mowing large open areas such as fairways, sports fields, parks and roadsides. They are offered in various configurations and widths.

Trailed gang units with a mowing width of 2 1/2 feet (one cutting head) to 20 1/2 feet (nine cutting heads) are available, as are tractor-mounted, hydraulic power units with mowing widths of as much as 15 feet.



Ransomes has manufactured and marketed reel mowers for more than 150 years.

Contact Mark Foree, Ransomes, Inc., Johnson Creek, Wis. 53038 (414) 699-2000. Circle No 267

Standard Golf improves hazard markers

Standard Golf Co. has refined hazard markers, eliminating the pulling out and hammering back process.

To install, drive the 1 1/2-inch steel anchor into the turf. A driving

cap is included with each carton. Once positioned, the 32-inch PVC markers easily may be slid in...or out.

The bright, highly visible markers are available in USGA-recom-

mended white for out-of-bounds, yellow for water hazards and red for lateral hazards.

Write Standard Golf Co., P. O. Box 68, Cedar Falls, Iowa. 50613 (319)-266-2638. Circle No 268

Peat tees offer hope

Broken golf tees, a nuisance on golf courses and estimated to cost the average golf club \$6,000 to \$8,000 annually in removal and mower damage, soon may yield to modern technology.

There's now a biodegradable golf tee made of environmentally approved, non-polluting compressed peat moss. It's called Peat "T" Inc. Inventor is Donald P. Noland of Edmonton, Alberta, Canada, a construction contractor.

Noland notes: "Conventional wooden tees can lie on the ground for weeks. Broken peat moss tees

absorb moisture overnight and are mulch by morning."

Most golf tees are made of wood and come from Korea, Hong Kong and Taiwan. Canada imports about 100 million a year, the United States about 1.6 billion.

Peat T makes functional and economic use of a nuisance raw material—100 pounds of peat moss costs 80 cents and yields 39,000 tees.

Contact Peat "T" Inc., 14312-63 Ave., Edmonton, Alberta, Canada. T6H 1S4. (403) 436-1002. Circle No. 263.

TURFtech made to help soil structure

Soil Technologies Corp. of Fairfield, Iowa, has released TURFtech, a biological application designed to increase naturally soil aggregation and improve soil structure.

TURFtech is composed of soil-borne, single-celled plants packaged as a wettable powder. When spray-applied, these grow on the soil surface and produce unmanipulated plant residues (biopolymers) beneficial to the soil without interfering with grass growth.

One of these residues is polysaccharide, a complex sugar. The sugars are capable of bonding individual soil particles and forming a soil aggregate.

Increasing soil aggregation creates additional pore space, allowing air and water to move into the soil more easily. By increasing pore space, TURFtech helps compacted soils to drain. Grass is healthier and less prone to disease.

Contact Soil Technologies Corp., P. O. Box 1415, Fairfield, Iowa 52556. (515) 472-3963. Circle No 269

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