

RANSOMES PURCHASES STEINER TURF LINE

Ransomes, Sims and Jefferies, Ipswich, England, has purchased the assets of the turf equipment product line of Steiner Corp., Orrville, OH. Steiner manufactures four-wheel drive, articulated tractors and attachments.

Ransomes, Sims and Jefferies is the parent company of Ransomes, Inc., a full-line turf equipment manufacturer based in Johnson Creek, WI. Steiner will operate as an independent subsidiary of the British parent company. "The existing brand, colors and distribution system for Steiner will stay the same," said Bill Mason, president of Steiner. Helmut Adam, president of Ransomes, Inc., will also serve as chairman of Steiner. Under the terms of the purchase agreement, the Steiner family will remain actively involved in the operation of the new company.

Steiner products have earned a reputation for superior handling and versatility. The articulated tractors pivot in the center to provide a smaller turning radius than conventional tractors. Four-wheel drive increases traction and provides stability on slopes. The company has just introduced Mowpacker, a new product for storing grass clippings while mowing. Because the unit uses a set of fingers to lift and pack the clippings into the hopper, it can hold three times more

clippings than vacuum, blower-type models.

Ransomes, Sims and Jefferies manufactured the world's first lawn mower in 1832 and continues to be one of the world's leading manufacturers of commercial turf equipment.

Ransomes and Steiner dealers will remain separate, according to David Legg, sales manager for Ransomes, Inc. Areas without a Steiner dealer may be served by a Ransomes dealer, however.

PGMS REACTIVATES SOUTHERN CALIFORNIA CHAPTER

The Professional Grounds Management Society has announced the reactivation of the Southern California Chapter. The chapter, which once had more than 200 members, was split into two chapters causing both organizations to suffer, explains Hal White, the new vice president of the reactivated chapter. "We will return to a single chapter and invite grounds managers from all specialties and disciplines in Los Angeles and San Diego to join," White stated.

Chuck Wilson, grounds supervisor at California State University at Los Angeles, was elected president of the chapter during a recent meeting. White, grounds supervisor at Occidental College in Los An-

geles is the new vice president. David Lee, grounds supervisor at California State University at Northridge is secretary treasurer.

Grounds managers in Southern California are invited to call Lee for membership information at (818) 717-5132. PGMS is a national organization, established in 1911, based in Cockeysville, MD.

CORRECTION

The article on Super Bowl XXII in the January issue incorrectly stated that Dale Sandin at the Orange Bowl in Miami, FL, will be working with Geroge and Chip Toma on Super Bowl XXIII. Joe Robbie Stadium and groundskeeper Dean Kuykendahl have that assignment. Obtaining the major event for 1989 was a big boost to Joe Robbie when he was arranging financing for his private stadium in 1985.

The news story on Baltimore Twin Harbor Stadiums in the February issue stated that Ron Labinski was the "designer" of the Truman Sports Complex. He was actually the "project architect" for Arrowhead Stadium.

Finally, the article in the December issue on paints and colorants did not give adequate recognition to Leo Cleary of Cleary Chemical Co. for his work during the 1950s with green colorants.

DonuTrimmer Equipment, Inc. INTRODUCES The Sprinkler Head & Bunker Edging SOLUTION!



- Edges any sprinkler head in a perfect circle in seconds.
- Edges bunkers perfectly in minutes.
- Easily adapts to Green Machine, Shindaiwa and other weed-trimmers.

Why use herbicides, nylon trimmers or machetes? These are improper tools for the job, that leave a rough finish and are time consuming.

DonuTrimmer is the precision edging tool that does what others can't... in seconds!

"An indispensable tool for landscape and G.C. maintenance."

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Site of 1988 PGA Honda Classic.

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GROOM AN INFIELD IN LESS THAN 20 MINUTES.



Easy Rider A.F.C. turns total baseball infield maintenance into a one man operation. Twenty minutes is all it takes.

The scarifier chops the crust and the free-floating rear rake adds the finishing touches. The grading blade may be used to fill and level the surface around the bases. For extra-fine finishing, a drag mat may be attached. 8 hp engine, mechanical drive.

Super A.F.C. with 3-wheel hydraulic drive also available.

SMITHCO

WAYNE, PENNSYLVANIA 19087

ROOKIES

PRODUCT UPDATE

LIQUID FERTILIZER



Doggett Corporation has introduced a fertilizer for low-volume liquid application that contains four forms of nitrogen, calcium and iron for turf. Total fertilizer has a low salt index and a low burn potential.

The fertilizer contains nitrate, ammonium and urea nitrogen for rapid uptake as well as ureaform nitrogen for controlled-release. The addition of calcium improves nitrogen absorption and greatly reduces loss of ammonia by volatilization. A high percentage of chelated nitrogen promotes deep color and promotes formation of chlorophyll.

The highly-concentrated formula is soluble in water for liquid application.

DOGGETT CORPORATION

Circle 136 on Postage Free Card

MULTI-SPORT SCOREBOARD



One MP-2455 scoreboard from All American is all you need for football, soccer, lacrosse and outdoor hockey. A single membrane keyboard operates the solid-state scoring system for all four sports.

Scores and time are illuminated in 18-inch-high characters on the board which is eight

feet wide and five feet high. The time can be reported either as elapsed time or remaining time from 0 to 59:59. Scoring ranges from 0 to 99 for home and guest. Four period markers are located on the bottom center of the board.

ALL AMERICAN SCOREBOARDS

Circle 137 on Postage Free Card

LIGHT FIVE-GANG FAIRWAY MOWER



Jacobsen has added two more gangs to light-weight fairway mowing with its LF-100 five-gang reel mower. The unit offers precision mowing and low ground pressure previously available only on triplex greens mowers. It cuts a 100 inch swath at speeds up to five mph for higher productivity than triplex mowers.

A new mower configuration puts the two outside reels in front of the operator so the trimming edge can be seen without looking back. This gives better control of overlap and provides a shorter uncut circle of grass on turns. Grass catcher removal and reel maintenance is also simplified as a result. All reels are full floating.

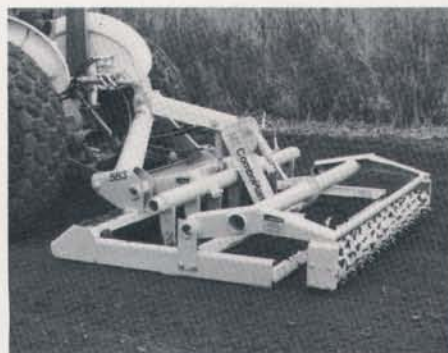
A 22 hp liquid-cooled diesel engine powers the LF-100. All five reels are hydraulically lifted quickly with the touch of a foot pedal. Two-wheel power steering and four-wheel wide-track stance make it easier to hold a straight line for accurate striping of fairways and athletic fields.

JACOBSEN DIV. TEXTRON

Circle 138 on Postage Free Card

COMBINATION PLANE

Cultivating and grading tight corners of fields, slopes and contoured areas are easier with the shorter, more maneuverable MT/583 ComboPlane from MetroTurf, Inc. The new model is a shortened version of the com-



pany's proven MT/780 series.

The completely hydraulic unit scrapes, scarifies, planes and pulverizes soil or basepath mix in one pass. The leading edge of the unit is a scraper which eliminates bumps and provides a smooth, even grade. Variable-depth scarifiers then break up heavily compacted soils and soil layers. Two planing beams distribute the loosened soil and fill in depressions. Finally, a pulverizing roller crushes lumps and leaves a loose, open surface for seeding or sodding, race tracks or skinned areas.

All critical wear parts of the 78-inch-wide unit are made of abrasion-resistant steel. Any tractor with category I or II three-point hitch and hydraulic system can operate the ComboPlane.

METROTURF, INC.

Circle 139 on Postage Free Card

LIQUID FUNGICIDE

Control of major turf diseases is now possible without the dust and mess of tank mixing dry fungicide formulations. Rubigan AS is a liquid form of fenarimol, the only fungicide registered for control of all the patch diseases including Fusarium blight, necrotic ring spot, summer patch, take-all patch and spring dead spot. It also controls dollar spot and reduces *Poa annua* in overseeded bermudagrass.

Both cool- and warm-season grasses can be treated with Rubigan AS. Only small quantities are needed for treatment. Less than two ounces per 1,000 square feet will control heavy infestations of dollar spot for 14 to 28 days. Two half-gallon containers treat up to four acres.

Due to its locally systemic action, once it has dried, it can be washed off the foliage by rain or irrigation without losing effectiveness. Rubigan can be mixed with Daconil 2787 for control of large brown patch.

ELANCO PRODUCTS CO.

Circle 140 on Postage Free Card

Excellent Overall Performance



JAGUAR^{*}

TURF-TYPE TALL FESCUE

*PVP 8200167

Jaguar takes care of itself. It needs less feeding and thrives in hot weather and drought with limited watering. Jaguar takes traffic because it forms a dense, deeply-rooted persistent turf. Jaguar resists diseases (Rhizoctonia brown patch, in particular) and tolerates shady, low light areas. Jaguar needs less mowing. It is lower growing and more tolerant of close cutting. Jaguar has a leafier, finer texture and beautiful dark green color.

To find out more about Jaguar Turf-Type Tall Fescue contact the distributor nearest you or circle the number below on the card in back.

Garfield Williamson, Inc.
Fairfield, NJ 07006
201-882-7755

Byrum Seed Co.
Charlotte, NC 28224
704-527-0481

Manglesdorf Seed Co.
St. Louis, MO 63166
314-535-6700

Geo. W. Hill Seed Co.
Florence, KY 41042
606-371-8423

Wetsel Seed Co.
Harrisburg, VA 22801
703-434-6753

Germain, Inc.
Fresno, CA 93777
209-233-8823
Los Angeles, CA 90051
213-589-6331

Circle 126 on Postage Free Card

ROOKIES

PRODUCT UPDATE

TEE SIGN ADVERTISING



Golf courses can save on the cost of high-quality, wood tee signs by participating in a national advertising program organized by Starstream Communications and True Distance Inc. Each sign features the layout of the particular hole and yardage on a carved, colorful wooden sign. A portion of the sign will carry a tastefully designed message for a national advertiser.

Courses participating in the program receive a significant discount on the signs. The two companies are expecting more than 100 courses to take part initially. A similar program for color score cards is also available.

True Distance has been supplying golf courses with custom signage and score cards for more than ten years. Starstream Communications specializes in promotional programs for some of the nation's largest national advertisers.

STARSTREAM/TRUE DISTANCE

Circle 141 on Postage Free Card

BROADLEAF HERBICIDE

Year-round control of broadleaf weeds in turf can be highly effective with Weedestroy Triamine and Tri-Ester from Riverdale Chemical Co. Both products include three different broadleaf herbicides to provide a high degree of control of dandelion, chickweed, plantain, oxalis, spurge and many other broadleaf weeds.

Triamine contains no dicamba for extra safety near desirable woody plants. Its dimethylamine salt formulation of 2,4-DP, 2,4-D and MCPP is concentrated so that

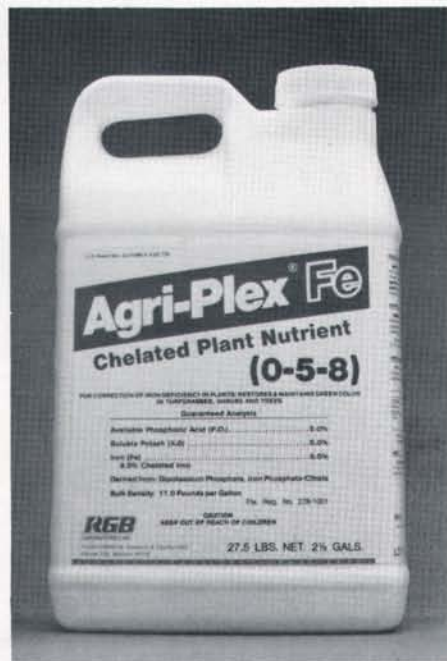
only three pints of Triamine are needed per acre per application.

Tri-Ester is an ester formulation of the three herbicides that tends to resist washing from the plant. It has greater herbicidal activity than the amine form to increase its effectiveness during cool, rainy weather.

RIVERDALE CHEMICAL COMPANY

Circle 142 on Postage Free Card

CHELATED IRON



The color and root growth of sports turf can be improved quickly with Agri-Plex Fe, a highly-concentrated liquid form of chelated iron containing both phosphorus and potassium from RGB Labs. University tests have shown that the solution of eight percent iron chelate, five percent phosphoric acid and eight percent soluble potash increased rooting of Kentucky bluegrass sod by 44 percent after it was transplanted. Rooting speed is very important where damaged sports turf is resodded prior to major events.

Agri-Plex Fe is compatible with virtually all fertilizers (NPK) and pesticides for tank mixing due to a patented chelating agent. The solution has a strong buffering capacity making it safe for mixing with other pesticides and application during the heat of day. It will not stain equipment.

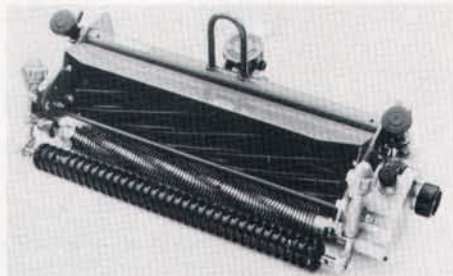
RGB recommends that a minimum of 0.1 pound of nitrogen per 1,000 square feet be mixed with the nutrient solution for maximum green-up. One gallon of Agri-Plex Fe

per acre has been shown to speed up sod production by as much as three months.

RGB LABORATORIES, INC.

Circle 143 on Postage Free Card

GROOMING REEL



The Toro Company has introduced a new grooming reel for its Greenmaster 3000 greens mower. The reel operates like a verticutter to limit thatch build-up and to remove runners. When used frequently at a light setting, the grooming reel promotes vertical and upright growth. The result is a more uniform playing surface.

Two models are available to accommodate a wide variety of growing conditions and customer needs. The blades are spaced 1/4-inch apart on the reel recommended for use during the spring and summer. A second reel with 3/4-inch blade spacing is suggested for late summer and fall. The depth penetration of both reels can be adjusted without tools.

The cutting unit suspension of the Greenmaster permits the grooming reel to ride independently of the collection baskets. It also allows the grooming reel to be raised or lowered for turns or stopping without affecting the depth setting.

THE TORO COMPANY

Circle 144 on Postage Free Card

LOW VOLTAGE LIGHTS

Barebo's high intensity, low-voltage lights are safe and durable either underwater or near water features. Designed primarily for the company's floating "fountain-like" aerators, the lights have a universal mounting bracket which allows them to be used in any type of fountain or pool and on docks, bridges or waterfalls.

The lights are low voltage but produce a high intensity of light. They can be adapted to provide colored light for dramatic effect to water or landscape features at night.

BAREBO, INC.

Circle 145 on Postage Free Card

DON'T GET SOAKED BY RAINED OUT EVENTS

The world's first machine which, through a unique pumping process, can rapidly remove surface water at the rate of 200 gallons per minute.



Problem:

Many millions of dollars are lost every year due to cancelled or delayed sporting events. Every season, playing conditions are unnecessarily bad, and turf is damaged due to soggy or flooded playing surfaces, and very often management is forced to close the facilities.

Solution:

The WATER HOG is a high speed water collecting machine, developed specifically for turf, and can handle anything from a light shower to two inches of flood water. Highly effective for golf courses, stadiums, parks & recreation areas, race tracks, memorial parks, universities, and all other large high traffic areas.

OTHER FEATURES

- *Rapid removal of surface water prior to and during tournaments.*
- *Preparation of greens for cutting in rainy season.*
- *Firms the turf and lessens potential mower and player damage in wet weather.*
- *Water removal for the reduction of disease pressure.*
- *Off green surfaces — water removal from drainage swales, bunkers, cart path edges, primary landing areas, etc.*

CAPACITY

- *The only machine in the world which can clear water from grass covered ground at the rate of **12,000 GALLONS PER HOUR** (nearest competitor 800 G.P.H.)*

LOW COMPRESSION

- *Extremely low compression on the ground drive means that the machine can travel across saturated turf without damage to the playing surface.*

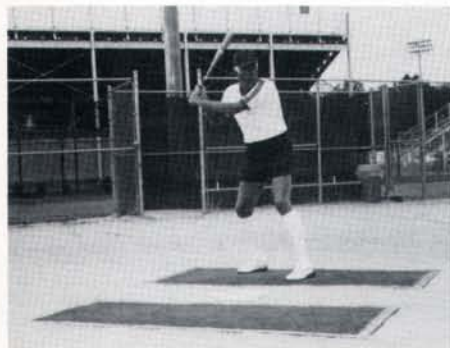
WATER HOG

4740 S. Ocean Blvd., Suite 416 • Highland Beach, Florida 33487 • (305) 394-0090

ROOKIES

PRODUCT UPDATE

BATTER'S BOX



Surveys indicate that the batter's box is the top maintenance problem on baseball and softball fields. Players "dig-in" creating holes that must be filled, raked and tamped between games and sometimes innings.

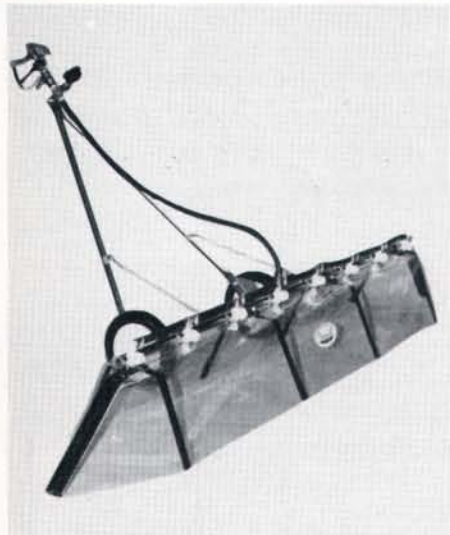
The Groundskeeper from All-Pro Athletic Surfaces is a durable, soft rubber pad covered by En-Tous-Cas synthetic turf. The edges are tapered leaving no lip to interfere with sliding players. It resists deterioration by sun, foot traffic, water, pollution, rot or bacteria.

Once installed, the batters box is permanent and difficult for vandals to damage.

ALL-PRO ATHLETIC SURFACES, INC.

Circle 146 on Postage Free Card

ANTI-DRIFT KIT



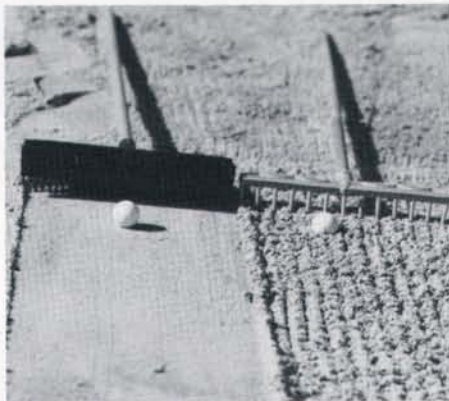
When a turf chemical is applied at the rate of a few ounces per 1,000 square feet, drift can make a difference in uniformity and control. To make its walking boom drift-free, Broyhill has developed a see-through anti-drift kit.

A custom-fitted heavy vinyl cover with velcro tabs attaches easily to mounting brackets on the sprayer. The applicator can see if a nozzle is blocked without removing the cover.

BROYHILL COMPANY

Circle 147 on Postage Free Card

SMOOTH RAKE



The makers of the Smoothie sand rake believe that a golf ball is easier to hit out of a bunker when the sand is smooth than when furrowed by standard rakes. To provide a smooth surface the company designed a rake that removes footprints, club marks and debris from sand and leaves the trap as smooth as a sandy shoreline.

The polypropylene plastic rake head consists of 33 teeth in addition to a plane bar that levels the sand. Two levels of teeth act together to remove surface and subsurface rocks in the trap. The plane bar behind the teeth gives the sand its final smooth surface, all in one stroke.

The rake also removes rocks from the sand preventing them from being hit onto the greens where they can damage mowing equipment.

SMOOTHIE INC.

Circle 148 on Postage Free Card

GRADE TRACTOR

Grading baseball infields, cart paths, parking areas and landscapes prior to planting or sodding is possible without hiring a grading firm with the Groundhog from Teledyne Princeton. The powerful, hydrostatic-drive tractor with its 60-inch hydraulically-controlled blade saves time and labor usually spent on hand raking.

The blade moves up or down at the touch of a finger. Large floatation tires and three-



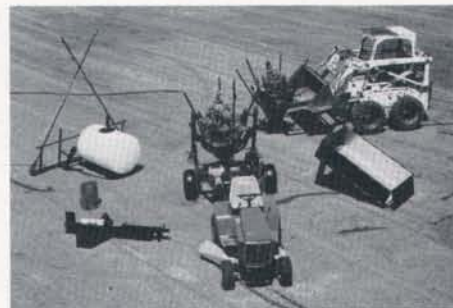
wheel design allow the operator to grade within a one-half inch of any structure, wall, pipe or tree and turn within the length of the unit. Variable speed and reliable torque hubs provide the extra traction needed for grading work.

The Groundhog can be converted to a snow plow during the winter. Options include a diesel engine and four-way blade.

TELEDYNE PRINCETON

Circle 149 on Postage Free Card

MULTI-PURPOSE SPADE



The flexibility of small tractors or loaders can be increased with the Dakota Hand transplanter frame by Mid-Dakota Corp. The unit's frame is adaptable in minutes to fit a tree spade, sprayer, hydraulic dump wagon, log splitter and post hole digger. A towable model is available for tractors with three-point hitches and a bucket-mount model can be attached to loaders.

The spade can dig and move root balls up to 28 inches in diameter. The towable frame features a self-contained engine and hydraulic system while the bucket-mount utilizes power from the loader to lift trees. A jack hammer is used to force the spades into the soil.

Attachments can turn the towable model into either a 15- or 30-foot wide boom sprayer, a 17 cubic foot hydraulic dump box, a log splitter or a post hole digger in minutes.

MID-DAKOTA CORP.

Circle 150 on Postage Free Card

Club Car's Full Line Of Electric & Gasoline Utility Vehicles



Carryall I[®]

The Multi-Purpose Vehicle

Out Performs - The Carryall I is available in Gasoline or Electric power - the Gasoline 4 cycle/341cc Engine* is the largest in the industry. The Electric powered Carryall I has components especially manufactured for Club Car, and they provide 25% greater efficiency than the competitors.

Out Maneuvers - The Carryall I has the tightest clearance circle in the industry - 17'6". The True Rack & Pinion Steering* provides a "power steering feel".

Out Toughs - The Carryall I Electric and Gasoline each have exclusive Rust-Free Aluminum Pickup Bed & Frame* making them virtually maintenance free. A heavy duty front bumper and side rub rails give added body protection.

Carryall II[®]

The Heavy Duty Leader

Out Hauls - With the Largest Pickup Bed* (50"x50"x11"/16½ cubic feet) and biggest gross payload (one-half ton) in the industry, the Carryall II becomes the most functional, practical and economical vehicle around.

Out Pulls - Club Car's 4 Cycle/341 cc Gasoline Engine*, the largest in the industry, gives the Carryall II the power to haul one-half ton loads all day long without refueling.

Out Lasts - The Carryall II exclusive Rust-Free Aluminum Pickup Bed & Frame* are virtually maintenance free, and the Double Wall Pickup Bed Construction* of light-weight aluminum allows for a longer more productive life span.

* Club Car Exclusive Features.



Club Car, Inc./P.O. Box 4658
Augusta, Georgia 30907-0658 U.S.A./404-863-3000

ROOKIES

PRODUCT UPDATE

TRACTOR-MOUNTED SWEEPER



Turf tractors with 540 PTO and a three-point hitch can be put to work sweeping turf or pavement with the Sweepster RHFA. The unit windrows debris or snow outside the left or right rear tire with the tractor moving forward. A full 30 degree sweeping angle is provided with minimum vibration and maximum component life.

In addition to sweeping debris and snow from pavement, the sweepers are used to brush turf that has been trampled by wear, to remove paint from natural and artificial turf, and to remove thatch and debris from fields.

The RHFA features all metal shielding, chain and sprocket drive and heavy duty bearings. It can be attached or detached from the tractor in minutes. Since the sweeper works moving forward, the tractor operator has better control so he can sweep faster.

SWEEPSTER

Circle 135 on Postage Free Card

ROOT BARRIER FABRIC

Costly damage to cart paths, sidewalks, tracks and tennis courts by tree roots can be prevented with an easy-to-install geotextile barrier from Reemay Inc. Tyvar Biobarrier Root Control Fabric is a spunbonded polypropylene fabric impregnated with trifluralin, a root-inhibiting herbicide. Roots that contact the material stop growing without harm to the plant.

By combining trifluralin with polyethylene and carbon black, the active ingredient lasts

decades when buried in the soil on the fabric. Due to its very low solubility, the herbicide does not leach from its location on the fabric. Roots outside the treated zone continue to develop normally.

The Biobarrier can be installed in trenches around paths, tracks or courts or below

paved surfaces. The majority of tree roots are in the top 18 inches of soil. Unlike solid root barriers, the fabric can follow any contour or grade.

REEMAY INC.

Circle 151 on Postage Free Card

SCOREBOARD

CLASSIFIEDS

CLASSIFIED ADVERTISING RATES: \$40.00 per inch payable in advance. One inch minimum. There are about 50 words per inch. Send copy with check for \$40.00 at least four weeks prior to issue date to: Classifieds, sportsTURF magazine, P.O. Box 8420, Van Nuys, CA 91409. Blind box numbers are available. Special borders and rules will be billed at display advertising rates. Classified ads are not commissionable.

POSITION WANTED: Experienced golf course superintendent and stadium field manager seeks position in sports turf management. B.S. in agronomy, 8 years golf course, 3 years soccer stadium, both natural and artificial turf. Contact: Pat Gray, 5409 Milentz, St. Louis, MO, 63109, (314) 352-9457.

SPORTSFIELD DESIGN, RENOVATION, CONSTRUCTION

Whatever your sport, whatever the level of play, and wherever the location, Sportsfield, Inc., can provide you all the services required to meet your needs. Our team of experienced

personnel can design, renovate or construct your playing fields. Do it right the first time! Call or write for our brochure, PO Box 615, Blue Island, IL 60406. 312-371-0917.

GET THE MAXIMUM FOR YOUR WATER DOLLARS.

Larry Keesen, Ltd., offers over 25 years of irrigation design and analysis experience and a national reputation for developing and presenting seminars, training programs and design schools for Toro, Rain Bird and Weather-matic. Keesen is a certified cost estimator and irrigation designer in commercial and golf course water systems. Currently president of the American Society of Irrigation Consultants, Keesen offers state-of-the-art technology and water conservation as specialties. Specific recent projects include: Highland Ranch Golf Course, Glen Eagles Golf Course in Denver, CO, Greenbelts for the Colorado Highway Department, Stellar Plaza in downtown Denver, Denver University and Clayton Colleges, Colorado State Capitol Complex and the Washington Monument in Washington, DC. Call today for a free brochure. (303) 790-2708.

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