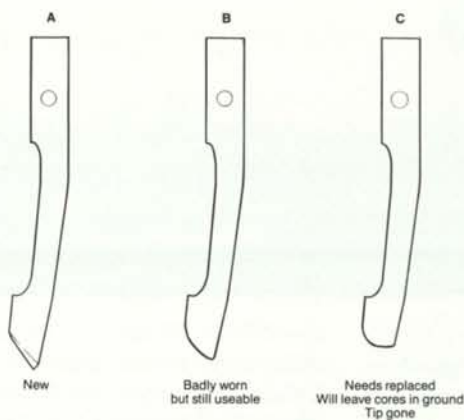
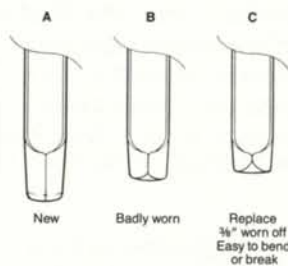


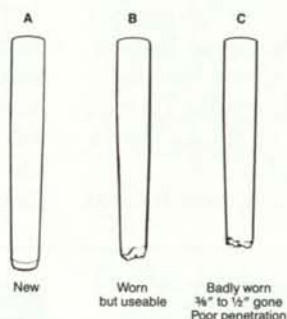
1) Tines used on rolling-type aerators



2) Folded-type tines



3) Solid tube tines



the electric drill.

Different types have different wear patterns. It's important to recognize and understand these patterns.

A tube-type tine generally wears in an erratic fashion, often making the tine appear to have serrated tip. The tine should be replaced when 3/8-inch of the tip is worn away.

Tines that are "folded" in the manufacturing process have a split or seam. This often results in a different wear pattern. These tines wear on the cutting tip, as do the tube-type tines, but they also wear faster near the split or seam. Again, replace them when 3/8-inch of the tip is worn off.

Tines on roll-type aerators have a different wear pattern. The leading edge of these tines is angled so it will cut through the thatch and soil surface first, opening the way for the tine to enter. This cutting edge will show signs of wear first. When the cutting edge is worn so the end of the tine is nearly even on all sides, the tine should be replaced.

Measuring tines prior to first use is a good idea. This eliminates guesswork and allows tine replacement at just the right time to maintain maximum aeration performance. Remember, the length of the tine determines the depth of the aeration hole. Short tines leave shallow holes, which result in poor aeration.

Proper aerator maintenance takes time, but it's time well spent. A regular preventive maintenance program can reduce wear, which extends the life of the machine. It cuts downtime and helps control the cost of repairs and operation. Preventive maintenance is good insurance for your aerator equipment investment. □

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TURF DIAGNOSTICS AND DESIGN GETS NFL RECOMMENDATION

Turf Diagnostics & Design (TD&D) high-performance turf systems have been recommended by the National Football League to its 28 teams.

In the past, TD&D has been involved in the design phase and acted as an agronomic consultant and quality control agent for NFL, Major League Baseball and NCAA stadiums and practice facilities.

TD&D is currently supporting the installation of the training complex for the San Diego Padres and Seattle Mariners in Peoria, AZ, the University of Buffalo stadium field and the New York Mets' farm team stadium in Norfolk, VA.

NORTH CAROLINA CONFERENCE A SUCCESS

Records were broken and gavels passed at the 31st Annual North Carolina Turfgrass Conference & Show held January 13-15 in Winston-Salem, NC.

"The fantastic response of industry managers and administrators was pretty inspiring," said Tom Bland, president-elect of the North Carolina Turfgrass Council (TCNC).

Attendance was up 501 from last year, and the 10th annual industry trade show boasted 159 enthusiastic companies exhibiting in 350 booth spaces, topping the previous record of 302 booth spaces. More than 2,500 turf industry professionals participated in 20-plus hours of educational programs focusing on effective turf management and environmental stewardship based on integrated pest management.

At the council's annual meeting, Bland was elected TCNC's 17th president, effective May 17, taking the place of Terry Baughman, who will continue to serve on the TCNC Board of Directors as past-president. Also, Gene Daniel, River Hills Country Club, was elected vice president and Russ Barnette, DowElanco, secretary. Charles Tomlinson, North Carolina Department of Transportation, will continue to serve as the council's treasurer.

Four incumbent directors were re-elected to the 12-member board: Mike Claffey, Cape Fear Country Club, Wilmington, NC; Charles Tomlinson, NC-DOT, Raleigh, NC; Ray Avery, Quail Hollow Country Club, Charlotte, NC; and Les Kuykendall, RSI Holdings Inc. (formerly Porter Brothers), Shelby, NC.

MELBOURNE CRICKET GROUND RELAID WITH NETLON



One of Australia's best known sports venues, Melbourne Cricket Ground, is resolving its outfield compaction woes by reconstructing its 19,200 square meter pitch (excluding the wicker square) with Netlon Advanced Turf.

The Melbourne Cricket Club decided to invest in the Netlon Advanced Turf system after studying its highly successful installations at Hong Kong's Sha Tin race course in 1990 and at Santa Anita Racetrack in Los Angeles, CA.

With a capacity for more than 100,000

spectators, Melbourne Cricket Ground hosts night cricket matches, an annual five-day test match, and international and state cricket matches. It is also Australia's premiere Australian Rules Football venue.

This is the first time the Netlon Advanced Turf system has been used for a major cricket and football ground in Australia. StrathAyr Instant Lawn, the Advanced Turf distributor in Australia, also supplied its Washed Turf for the pitch.

MONSANTO PRODUCT REGISTERED IN FLORIDA

The Monsanto Company's Dimension turf herbicide has been given conditional registration in Florida by the Florida Department of Agriculture and Consumer Services.

Dimension is designed for use by golf course superintendents, lawn care operators and landscaping professionals to control crabgrass and other problem weeds. The active ingredient, dithiopyr, comes from new low-use-rate, low-soil-mobility chemistry developed by Monsanto.

In Florida, Dimension will be available as an emulsifiable concentrate formulation in 2.5-gallon containers. Dimension has been registered with the U.S. Environmental Protection Agency since June 1991.

HYUNDAI MOVES HEAD-QUARTERS

Hyundai Golf Cars U.S.A. is relocating its sales and distribution headquarters from San Diego, CA, to Orange County, CA.

"Hyundai's move to Orange County was prompted by the rapid expansion of our dealer base," Vice President and Division Manager Edward Bannigan

said. "We've recently appointed additional sales managers headquartered in Georgia, Michigan and California. Our strengthening national network requires conveniently located distribution, service and management, and we felt that Orange County was ideal."

The move combines the manufacturer's California branch office and national warehouse.

VALENT U.S.A. FORMS PROFESSIONAL PRODUCTS GROUP

Valent U.S.A. Corporation has established a new group to focus entirely on sales of the company's professional crop-protection and plant-enhancement products.

These products, such as Deadline bait and Sumagic plant growth regulator, are used in greenhouses, nurseries and golf courses, and for municipal and industrial purposes.

The professional products group is managed by David Whitehead, and Allen Smith is product manager. Both will work out of Valent's Walnut Creek, CA, headquarters. Sales representatives include James Barr, Dover, DL; Peter Blum, Boca Raton, FL; Clarke Hudson, Orlando, FL; Pamella Knoepfli, Sparks, NV; and Tom McCarter Jr., Irving, TX.

ROOKIES

PRODUCT UPDATE

SPORTS FIELD MAINTENANCE VIDEO

Turfbase brings together major league and NFL groundskeepers in this 48-minute instructional video. Professionals discuss how to keep a baseball field at professional standards with as little as 30 minutes of maintenance a day.

Topics include building and maintaining home plate, the pitcher's mound, infields and turf area. The video comes with an instructional handbook, complete with diagrams.

AIMCOR

Circle 134 on Postage Free Card

FIELD COVER



M. Putterman & Company's football and baseball field covers are lightweight and provide tough protection against rain and other inclement weather conditions. The total baseball infield cover can be handled by eight or nine people. Football covers can also be designed to suit restricted storage areas and maintenance.

M. PUTTERMAN & CO. INC.

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ANCHORING CEMENT

Garonite anchoring cement permanently anchors bolts, fence posts, handrails, electrical machinery, loose tiles, seats, screws and more.

Initial set time is 10 minutes.

Garonite contains no corrosive agents and can be used both indoors and outdoors. It won't loosen crack or shrink under stress, vibration, heat or cold.

GARON PRODUCTS INC.

Circle 136 on Postage Free Card

DIAMOND GROOMER

The Bannerman Diamond Master applies soil conditioners to non-turf areas such as base lines, infields and running tracks. It mixes soil conditioners into the top 3 to 4 inches of soil. The Diamond Master is a slightly more sophisticated machine than the Bannerman Truplay, but both use the same five tools to dress infield with or without conditioners. Adjustments of the individual tools are made a little more convenient by the screw jacks on the Diamond Master.

BANNERMAN

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TURF FERTILIZER

With an analysis of 26-4-12, Super Turf Fertilizer provides extended feeding from 12 to 14 weeks, initial green-up with uniform growth (no surge) and a corrective level of available potash from potassium sulfate.

For use on fairway-height grasses, Super Turf Fertilizer utilizes Scott's new Poly-S™ fertilizer coating technology, which combines polymer and sulfur in a coating for controlled-release turf fertilizers with residual programmed from two to six months, according to the application.

THE O.M. SCOTT & SONS COMPANY

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ORGANIC FERTILIZER

Nature Safe 10-3-3 professional turf product is ideal for a continuous greening and feeding of turf without the use of synthetic chemical fertilizers. Sold in 50-pound bags, it's comprised of all-natural animal proteins, such as feather meal, bone meal and blood meal, and does not contain any synthetic chemicals, manures or sewer sludges.

Signs indicating that organic products are used on the grounds are also available.

NATURE SAFE

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LINE-MARKING MACHINE



With its 100-pound capacity, the Newliner 100 is ideal for larger lining jobs such as multiple athletic fields, running tracks and cross-country courses.

The Newliner features: Galvanized steel material container to prevent rusting; 1/2-inch axles and drive shafts; precision control for 2- or 4-inch lines; control lever mounted on handle for instant on-off action; oversized foam rubber handgrips; four 10-inch pneumatic tires for rough terrain; and an 18-month warranty.

NEWSTRIP INC.

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SPRINKLER

Toro's 2001 Series Sprinkler is designed specifically for parks, sports fields and golf courses. It has a 5-year unconditional warranty; bi-directional planetary gear drive; snap ring designed for easy maintenance; graphically illustrated top adjustment arc; color-coded, screw-in main nozzles; full 4-inch pop-up for clearing tall grass; rubber cover; and 1-inch threaded inlet.

Effluent markings, stainless steel riser and NPT and BSP threads are also available.

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