

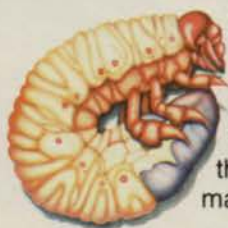
PRIME CUT

A product of new technology, the Ransomes Bob Cat Diesel provides the professional turf-maintenance industry with the most efficient grass machine ever developed. Fuel consumption for this incredibly quiet diesel is 40% less than gasoline and the engine will pay for itself in only 650 hours. The big 74" deck makes short work of major mowing jobs and provides trouble free performance and a prime cut on every pass. See your Ransomes Bob Cat distributor or call Ransomes, Inc., One Bob Cat Lane, Johnson Creek, WI 53038, (414) 699-2000.

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BOB-CAT

**®OFTANOL.
One shot.
No other
insecticide
controls
white grubs
so well
for so long.**

The use of OFTANOL for turf pest control is registered in many states.
Check with your state extension office for registration information.



One-shot white grub control with OFTANOL represents a dramatic breakthrough in turf management.

With a single application at the recommended rate, OFTANOL controls white grubs through the entire season.



But that's only part of the story.

Properly timed, that same application can also control major insects such as billbug, chinch bug, *Hyperodes* weevil and sod webworm.

For example, apply OFTANOL for the first infestation of surface feeding insects. You'll establish season-long white grub control at the same time.



And it doesn't
stop there!



Or, treat for *Hyperodes* weevil in the spring. You'll also receive white grub control for the entire season.

Other insecticides requiring multiple applications can't provide this performance and flexibility.

OFTANOL has other advantages, too: won't tie up in thatch . . . resists leaching . . . doesn't require watering in.



No wonder OFTANOL is the new insecticide turf managers are asking to learn more about. OFTANOL can fit into your insect control program, too. Ask your turf chemicals supplier for this free OFTANOL FACTS brochure.

Don't trust your turf
to anything less.



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Agricultural Chemicals Division
Specialty Products Group

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declined 31.4% to 151,000 units having a F.O.B. value of \$266 million. Last year's 220,000 units were valued at \$351 million.

Estimated shipments of lawn tractors/riding mowers totalled 620,000 for the 1981 model year, down 23.3% from 1980. F.O.B. factory value also dropped to \$453 million or 14.5% less than 1980 values.

Rotary tiller shipments were off 24.9% to 501,000 units, a decline of 166,000 units from the 667,000 shipped

in 1980. Factory value decreased 13.2% from \$159 million to \$138 million.

The twelve-month across the board declines can be attributed in part of high interest rates and a decline in household spending.

The twelve-month period begins in September and ends August 31, 1981. Companies participating in the OPEI statistical reporting program account for a vast majority of total industry shipments of the above products.

EQUIPMENT

Jacobsen posts 1981 sales increase

In an address to a group of major U.S. and Canadian turf product distributors, John Dwyer Jr., president of Jacobsen Division of Textron, Racine, WI, said that company volume for the sales year ending September 30, 1981, was up over the previous year. He added that continued gains are predicted for 1982.

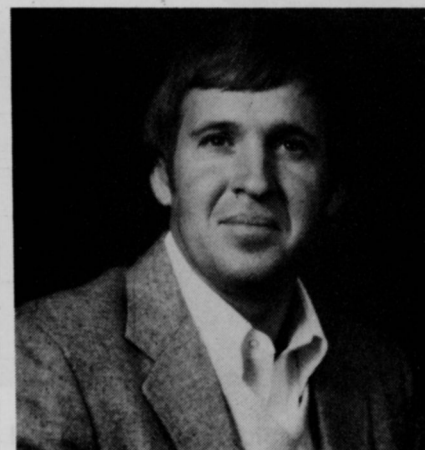
Dwyer told the distributors, who represent approximately \$200 million annually in total turf-related sales, that Jacobsen's sole focus is turf and grounds maintenance equipment now that consumer lawn and garden care products are part of Textron's Homelite Division. "The company's operations have been streamlined by the change," Dwyer told the group.

The distributors noted that in the future customers will look less at unit price and more at efficiency, durability, service and parts backup. They indicated that while "systems" machines will probably continue to be offered, market direction will focus on units designed to perform one specific job well.

GOLF

Steve Tyler Joins Standard Golf Co.

Standard Golf Co., Cedar Falls, IA, has named Steve Tyler sales representative to represent Standard's Pro-Line golf course accessories throughout the U.S.



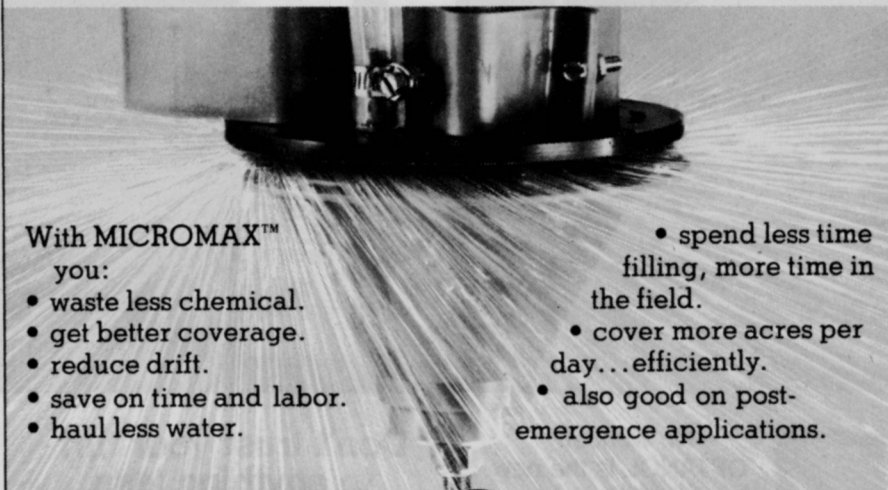
Steve Tyler with Standard Golf.

Before joining Standard, Tyler managed two municipal golf courses in Cedar Falls. He has been a superintendent or assistant superintendent for 14 years. He is affiliated with the Golf Course Superintendents Association of America, the Iowa Golf Course Superintendents

Continues on page 76

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Association (president in 1978) and the Iowa Turfgrass Institute (president in 1980).

Standard Pro-Line accessories include ball washers, benches, flags, flag poles, putting cups, club washers and sighs.

FORESTRY

Karnosky named to Consortium post

Dr. David Karnosky has been named to succeed Dr. Lee Herrington as executive secretary of the Consortium for Environmental Forestry Studies.

A graduate of the University of Wisconsin with a Ph.D. in forest genetics, Dr. Karnosky has conducted research on the effects of air pollution on forest trees. Currently he is forest geneticist at the New York Botanical Garden Cary Arboretum in Millbrook, NY, where his work includes developing disease-resistant elms and examining stresses on trees in the urban environment. He is also adjunct associate professor at Marist College in Poughkeepsie, NY, and at the State University of New York (SUNY) College of Environmental Science and Forestry.

Karnosky will administer Consortium programs under an Intergovernmental Personnel Act agreement with the USDA Forest Service's Northeastern Forest Experiment Station. The Consortium consists of 12 northeastern universities and the Forest Service.

Through grants to individual universities, the Forest Service funds community and environmental forestry research projects, which are coordinated by the Consortium. Their aim is to improve the quality of life in the northeast. More than 200 papers and six major publications have been produced by Consortium members over the past ten years.

As executive secretary, Karnosky will oversee the coordination of continued research in such areas as tree breeding, insect and disease control, air quality, urban microclimate, and forest planning and management.

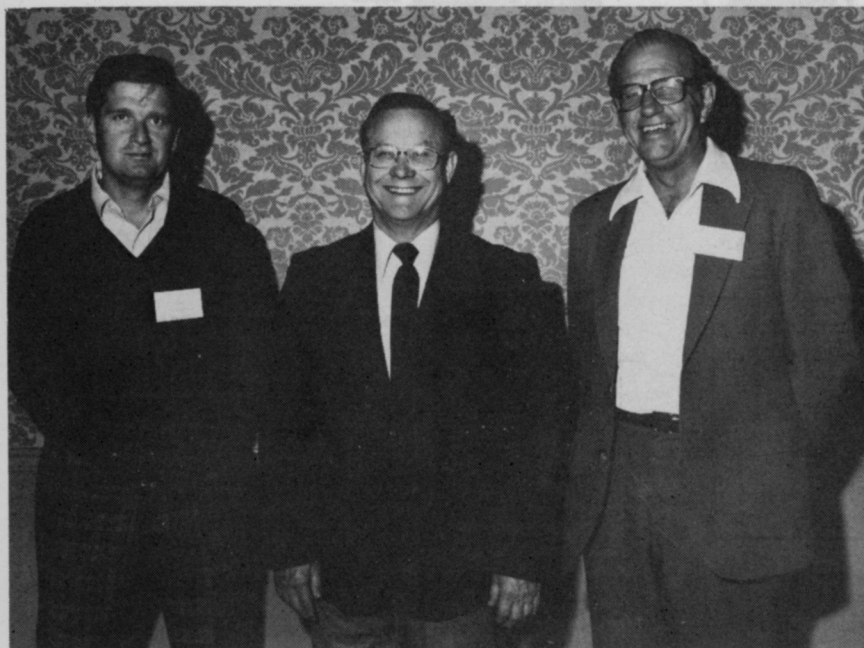
TURF

Midwest groundskeepers get tips on field care

Featured at the clinic were Gene Bossard, head groundskeeper at Comiskey Park since 1940, and his son Roger Bossard, who serves as assistant in charge of a staff of 18 grounds personnel at the oldest par in the major leagues. The Bossards explained how local park districts and high schools could adapt the major league club's grounds program to suit individual needs and budgets.

Among the more important topics covered in the clinic were the proper

Continues on page 80



Officers of the Lawn Seed Division of the American Seed Trade Association were elected at their joint meeting with the Atlantic Seedmen's Association in Providence, RI. They are (left to right) William Junk, secretary-treasurer; Willard Hovde, chairman; and Bob Peterson, vice president.

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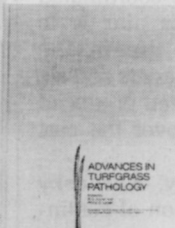
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Leading U.S. turf pathologists report on turfgrass diseases, pythium blight, snow molds, fairy rings, leaf spot of Kentucky Bluegrass in Minnesota, initial and field fungicide screening, turfgrass disease resistance, etc. Contains new ideas on how to combat turfgrass problems. **\$27.95 hardcover, \$18.95 paperback**

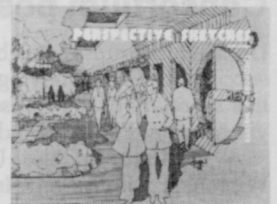


110, 120-TURF MANAGER'S HANDBOOK by Drs. William Daniel and Ray Freeborg
This specially designed manual by leading turf specialists is a comprehensive, organized approach to turfgrass science and care. An easy, on-the-job reference for planning, purchasing, hiring, construction and plant selection. **\$23.95 hardcover, \$18.95 paperback**



630-TURFGRASS: SCIENCE & CULTURE by James Beard
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375-SITE DESIGN AND CONSTRUCTION DETAILING by Theodore D. Walker
An introduction to the subject of site design and construction detailing. Focus is on design implementation. Discusses the nature of construction drawings. Presents the characteristics, origin and nature of construction materials. **\$24.00**



345-COST DATA FOR LANDSCAPE CONSTRUCTION 1981
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An updated unit cost data reference for designers and cost estimators. Developed to fill the tremendous need for detailed landscape construction cost data. Laid out in easy-to-use CSI format. Annual. **\$24.95**

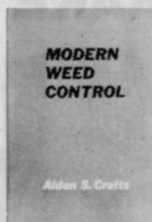
340-CONSTRUCTION DESIGN FOR LANDSCAPE ARCHITECTS by Albe E. Munson
Design specifications for layout, grading, drainage, structures and irrigation. Also explains mathematics of drafting. **\$24.50**



335-LANDSCAPE DESIGN THAT SAVES ENERGY by Anne Simon Moffat and Marc Schiler
Practical guide to landscaping a home or office to reduce space heating needs by as much as 30 percent annually. Contains specific planning strategies for the four main climatic zones of the continental United States. **\$9.95 paperback**



530-INTERIOR PLANTSCAPING by Richard Gaines
One of the first handbooks directed at the professional interior plantscapers. Includes design and maintenance clues for foliage. **\$28.50**

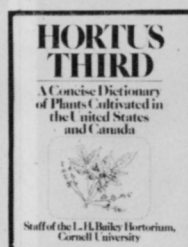


545-MODERN WEED CONTROL by Alden S. Crafts
Deals exhaustively with the botany, chemistry, plant physiology and ecology involved in modern weed control technology. Contains lists and classifications of herbicides and an abundance of illustrative material that will help the reader visualize the varied aspects and forms of weed control. **\$19.50**

565-WEEDS by Walter C. Muenscher
Second edition. Premier text for identification and basic natural history for weeds found in the continental United States and Canada. Ecological data on weed biology combined with excellent keys and plant descriptions makes this an essential reference book. **\$32.50**



510-HORTUS THIRD from Cornell University
A 1,300-page concise dictionary of plants cultivated in the United States and Canada. A reference which every horticultural professional should have. **\$99.50**



570-WESTCOTT'S PLANT DISEASE HANDBOOK by Kenneth Horst
This fourth edition offers professionals the latest diagnostic and disease control information. Plant entries designed to simplify diagnosis, plus background on the classification of plant pathogens. This handbook gives a specific description of each disease, susceptible plants, specific symptoms of the disease, reported locations and control measures for each disease and their side effects. **\$34.50**



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440-FUNDAMENTALS OF ENTOMOLOGY AND PLANT PATHOLOGY by Louis L. Pyenson
Limited to the study of insects, related forms, nematode and plant pathogens. Discusses nature and control of these pests in a simple and concise fashion. **\$22.00**

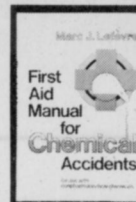


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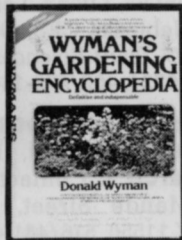
490-GREENHOUSE OPERATION & MANAGEMENT by Paul Nelson
Such important aspects as greenhouse heating and cooling, root media, watering, lighting, temperature and pesticide application are presented in this text. Material on greenhouse siting and construction, post-harvest handling, marketing and business management are also included as necessary considerations for keeping your operation solvent. **\$19.95**



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EVENTS

The current issue of **WEEDS TREES & TURF** carries meeting dates beginning with the following month. To insure that your event is included, please forward it, 90 days in advance, to: **WEEDS TREES & TURF Events**, 757 Third Ave., New York, NY 10017.

National Arborist Association 1982 Annual Meeting, Maui Surf Hotel, Maui, Hawaii, **Feb. 14-18**. Contact National Arborist Association, Inc., 3537 Stratford Road, Wantagh, NY 11793, 516/221-3082.

Third Symposium on Environmental Concerns in Rights-of-Way Management, Islandia Hyatt House, San Diego, CA, **Feb. 15-18**. Contact Bess Bragg, P.O. Drawer LW, Mississippi State, MS 39762

Turfgrass Worker's Short Course, Orange County Cooperative Extension Service, Orlando, FL, **Feb. 18**. Contact Orange County Cooperative Extension Service, 2350 East Michigan Street, Orlando, FL.

International Society of Arboriculture Chapter Meetings; Penn-Del, King of Prussia, PA, **Feb. 25-26**. **Southern**, Savannah, GA, **Feb. 21-24**. Contact ISA, 5 Lincoln Square, P.O. Box 71, Urbana, IL 61801.

26th Annual Shade Tree Short Course, Scheman Continuing Education Center, Iowa State University, Ames, IA, **Feb. 23-24**. Contact Laura Sweets, Iowa State University CES, 515/294-1160.

Residential Landscape Design Short Courses, Ohio Agricultural Research and Development Center, Wooster, OH. **Design Detailing**, **Feb. 24-26**; **Advanced Landscape Drawing**, **March 24-26**. Contact Fred Buscher, Wooster Area Extension Center, Ohio State University CES, 216/262-8176.

International Erosion Control Association Conference XIII, Little America Hotel, Salt Lake City, UT, **Feb. 25-26**. Contact Bob Fischbach, P.O. Box 817, Freedom, CA 95015, 408/688-3288.

Fifth Annual Trees for Nebraska Conference, Nebraska Center for Continuing Education, Lincoln, NE, **Feb. 26-27**. Contact Luann Leaming, University of Nebraska CES, Dept. of Horticulture, 377 Plant Sciences, Lincoln, NE 68583-0724, 402/472-1640.

14th Annual Professional Turf & Plant Conference, Colonie Hill, Hauppauge, NY, **March 1**. Contact Jerry Strein, 547 Maude Street, South Hempstead, NY 11550, 516/481-4836.

Pennsylvania Turfgrass Conference and Trade Show, Hershey Lodge and Convention Center, Hershey, PA, **March 1-4**. Contact Christine King, Pennsylvania Turfgrass Council, 412 Blanchard Street, Bellefonte, PA 16823.

Midwest Regional Turf Conference, Purdue University, West Lafayette, IN, **March 1-3**. Contact W.H. Daniel, Purdue University, Dept. of Agronomy, West Lafayette, IN 47907, 317/494-4785.



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Iowa Turfgrass Conference and Trade Show, Marriott Hotel, Des Moines, IA, **March 1-3**. Contact Ed Cott, 105 Horticulture Building, Iowa State University, Ames, IA 50011, 515/294-1870.

51st Massachusetts Turfgrass Conference and Sixth Industrial Show, Civic Center, Springfield, MA, **March 2-4**. Contact Dr. Joseph Troll, Stockbridge Hall Room 12, University of Massachusetts, Amherst, MA 01003-0099, 413/545-2353.

American Sod Producers Association Midwinter Conference, Royal Lahaina, Maui, HI, **March 3-5**. Contact Bob Garey, Association Building, Ninth and Minnesota, Hastings, NE 68901, 402/463-4683.

Canadian Turfgrass Conference and Show, Constellation Hotel, Toronto, Ontario Canada, **March 7-10**. Contact Mary Gurney, 698 Weston Road, Toronto, Ontario M6N 3R3, 416/767-0387.

"Interiorscape Design—A Total Approach," Airport Hilton, Salt Lake City, UT, **March 12**. Contact Scott Wolford, Utah Chapter/ASLA, 57 W. So. Temple #300, Salt Lake City, UT 84101, 801/364-1718.

International Society of Arboriculture 33rd Annual Convention, Valhalla Inn, Toronto, Ontario Canada, **March 16-19**. Contact ISA/Canada, P.O. Box 995, Station B, Willowdale, Ontario Canada M2K 2T6.

Maine Turf Conference, Merry Manor Inn, South Portland, ME, **March 17-18**. Contact Vaughn Holyoke, Deering Hall, University of Maine, Orono, ME 04469, 207/581-2111.

Tree Care—Urban Forestry Foreman Training, Davey Environmental Services, Kent, OH, **March 22-April 2**. Contact Richard Abbott, Davey Environmental Services, 117 South Water Street, Kent, OH 44240, 1-800/321-7572.

Soil Erosion and Sedimentation Control Short Course, Vance Tye Motor Inn, Olympia, WA, **March 23-24**. Contact Roy Goss, Western Washington Research and Extension Center, Puyallup, WA 98371, 206/593-8513.



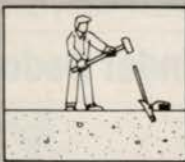
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Duckbill Earth Anchors hold down trees of all sizes!

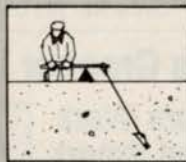
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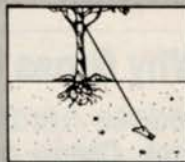
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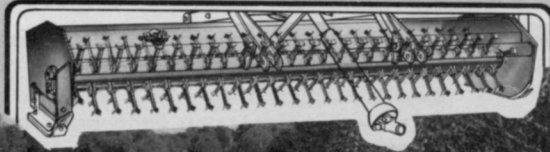
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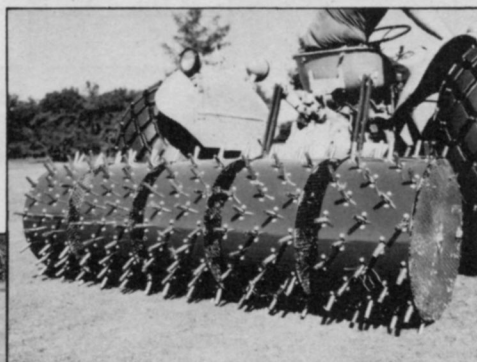
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choice and blend of clay dirt and bank sand in a rebuilding plan to upgrade old or improperly built fields, use of irrigation and most effective drainage patterns for fields receiving heavy usage. "Fall is a logical time for local park districts to undertake a rebuilding program because summer athletic programs have ended and the fields can be worked without disrupting playing schedules," said Roger Bossard. Additionally, IMC specialists discussed and distributed technical data on how to rebuild baseball and football fields.

SEED

Northrup King promotes Vetter and Churchill

In an effort to restructure its professional turf department, Northrup King Co., Minneapolis, MN, has promoted Larry Vetter and Joe Churchill.

Vetter has been promoted to national sales manager for the Medalist turf products department. Churchill moves to the marketing department and has been named assistant product manager for Medalist Turf Products, reporting to Dennis Erickson, product manager for all lawn and turf products.

The initial Medalist marketing effort will concentrate on certain regions of the U.S. Future marketing efforts will consist of a national network of Medalist turf product sales specialists.

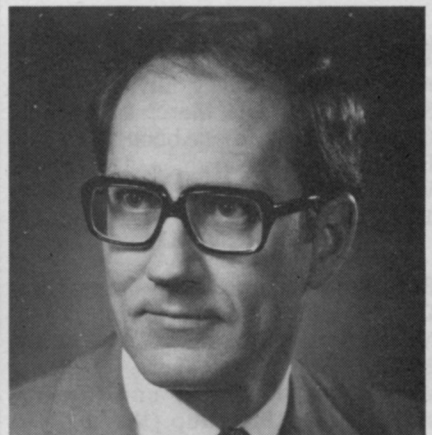
CHEMICALS

Bryson named president of Elanco Products Co.

Elanco Products Co., Indianapolis, IN, the agricultural division of Eli Lilly and Co., has named Vaugh Bryson president.

Prior to the appointment, Bryson served as a vice president of Eli Lilly International Corp. with responsibility

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New Elanco President Vaugh Bryson.