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

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.
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.

And it doesn’t stop there!

Don’t trust your turf to anything less.

OFTANOL is a registered TM of the Parent Company of Farbenfabriken Bayer GmbH. Leverkusen.
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.

SAVE TIME & MONEY ON PRE PLANT INCORPORATED & PRE EMERGENCE APPLICATIONS

MICROMAX™ does the job with 1½ to 3 gallons of total spray per acre!

With MICROMAX™ you:
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- reduce drift.
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- haul less water.
- spend less time filling, more time in the field.
- cover more acres per day...efficiently.
- also good on post-emergence applications.

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
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 signs.

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.

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
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

580 - WYMAN'S GARDENING ENCYCLOPEDIA by Donald Wyman
A classic reference on all aspects of gardening. Offers advice on planting and maintenance information on new plants, cultivation, insecticides, herbicides and fungicides. Contains 10,000 articles, 206 drawings, 170 photographs and a color hardiness zone map. $29.95

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Beginner and experts reference to 300 trees with 350 full-color illustrations. This authoritative guide supplies you with a full description of size, color, shape, leaves, flowers, fruit and seeds, information on habitat, propagation and growth conditions PLUS hardness zone maps, glossary and index. $19.95 hardcover, $8.95 paperback

660 - THE OXFORD ENCYCLOPEDIA OF TREES OF THE WORLD by Bayard Hora, Editor
An authoritative reference describing the principal trees of the world. Includes biology and growth of trees, ecology of different types of forest, forest management, timber usage and pest and disease control. $24.95

385 - TREES FOR ARCHITECTURE AND THE LANDSCAPE by Robert L. Zorn
A book of photographic tree definitions, or portraits, intended to facilitate communication between the landscape architect, the architect and the layman. $11.95

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660 - DISEASES OF SHADE TREES $23.50
610 - DISEASES OF TURFGRASS $30.00
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480 - GREENHOUSE MANAGEMENT FOR FLOWER & PLANT PRODUCTION $15.35
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360 - HOME LANDSCAPE $18.95
690 - INSECTS THAT FEED ON TREES & SHRUBS $42.50
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370 - LANDSCAPE OPERATIONS: MANAGEMENT, METHODS & MATERIALS $18.95
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780 - PARK AND RECREATION MAINTENANCE MANAGEMENT $18.95
390, 395 - PHOTOGRAPHIC MANUAL OF WOODY LANDSCAPE PLANTS $22.00 hardcover, $14.60 paperback
700 - THE PRUNING MANUAL $14.95
730 - TREE CARE $8.95
740 - TREE FARM BUSINESS MANAGEMENT $20.50
750 - TREE IDENTIFICATION $9.00
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560 - WEED SCIENCE $24.00

CLOSEOUTS

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470 - GREENHOUSE GROWER $12.40
500 - HORTICULTURAL SCIENCE $18.80
780 - PARK AND RECREATION MAINTENANCE MANAGEMENT $16.00
550 - PLANT PROPAGATION $21.00
400 - WESTERN HOME LANDSCAPING $6.75

785 - FIRST AID MANUAL FOR CHEMICAL ACCIDENTS by Marc J. Lefevre
This indispensable guide helps you take quick corrective action to minimize the harmful effects of chemical accidents. Written for people (other than doctors) called on to aid fellow workers who are victims of such work-related accidents. A must reference for any work situation involving hazardous chemicals. $16.50 paperback

790 - RECREATION PLANNING AND DESIGN by Seymour M. Gold
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WTT 22
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.


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.


Pennsylvania Turfgrass Conference and Trade Show, Hershey Lodge and Convention Center, Hershey, PA, March 1-3. 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.


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.


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.


NEW!

Duckbill Earth Anchors hold down trees of all sizes!

Now! A new type of earth anchor to hold down trees wherever they are! Strong, lightweight, easily stored and transported, easy to install, and ideal for nurseries, landscape contractors, groundskeepers, homeowners — anyone who wants his trees to stay in the ground! Duckbill is so good it's specified by the U.S. military.

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Place drive rod inside the Duckbill anchor barrel. Drive anchor into ground with hammer. Remove rod and plug hole with dirt, tamping firmly with rod.

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Inquiries from distributors and manufacturers' reps are invited.

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Dedoes Conversions Add Versatility

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Spray sharp, clear edges for most liquid applications.

Dedoes Utility Plows

Tough Dedoes Utility Plows smooth things out. Fits most maintenance equipment.

Circle No. 107 on Reader Inquiry Card

News from page 76

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

Continues on page 82

New Elanco President Vaugh Bryson.