



# Blazon®



SPRAY PATTERN INDICATOR

By Milliken Chemical

## All Spray Pattern Indicators Are Not Created Equal.



**"I've just put my finger on the difference between Blazon® and the dyes being sold for spray pattern identification. Can you guess which finger?"**

Blazon® is the only **NON-STAINING** and **INERT** spray pattern indicator in the world.

Your spray pattern indicator should be the least of your worries.

- \*Blazon® will not stain.
- \*Blazon® will not interfere with your pesticides.

There are many imitations, but only one original ... Blazon® by Milliken Chemical.



Milliken Chemicals, Division of Milliken & Company  
P.O. Box 817, Inman, South Carolina 29349, (800)845-8502 or (803)472-9041

Circle No. 138 on Reader Inquiry Card

## Full color brochures detail turf equipment line

Two new full color brochures detailing products and sales are available from Exmark Manufacturing Company. The brochures focus on Exmark's line of turf care equipment. Parts manuals for Exmark five-speed and variable-speed commercial power mowers are also available.

The company has also published an operator's manual for its 32-, 36- and 48-inch mowers. All literature contains information on product specifications, performance, ratings, and details on accessory items.

Circle No. 200 on Reader Service Card

## Wetting powder available as flowable formulation

Fermenta Plant Protection has begun manufacturing the pre-emergence herbicide Dacthal in a flowable formulation. The herbicide, previously only available as a wettable powder, comes in 2½ gallon containers and 55-gallon drums.

The flowable product allows for a more convenient control of crabgrass, spurge and a variety of annual grasses

and broadleaf weeds in established turf and 120 ornamental plantings.

The flowable Dacthal has good turf tolerance, virtually no leaching, volatility or photo-decomposition when exposed to sunlight.

Circle No. 201 on Reader Service Card

## Manual provides labels for chemicals, fertilizers

The 1987 edition of the Lesco Label Manual is available.

The 128-page manual provides specimen labels for 60 Lesco chemical and fertilizer combination products and their material safety data sheets. The manual also provides detailed information on fertilizers and lists grass seed available from the company.

According to the company, the manual gives customers information on uses and content of the products, and helps in product selection and application.

Lesco has also introduced an accurate, pocket-sized pH meter. Applicators and turf managers can take the pH Pen into the field and get laboratory-accurate measurements.

Using solid state circuitry powered

by conventional wristwatch batteries, the Lesco pH Pen can give quick readings of spray tank solutions or soil slurries. It features a gel-filled electrode which measures pH from 2 to 12 with 0.1 unit resolution. Readings are displayed in large, easy-to-read liquid crystal characters.

The pH Pen is available separately or in a kit with all the supplies necessary to take readings, including calibration buffers and sample cups.

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## Angled sill cocks made of heavy-duty brass

Harvard Full Flow Brass Angled Sill Cocks from American Granby are constructed of heavy brass made to meet rigid specifications. Each is individually inspected and tested, and has a stuffing box and notched flange for easy installation.

They feature full flow design with a large flow opening, and are available threaded or sweat in ½- and ¾-inch sizes. The angled sill cocks are stocked in depth and available for immediate equipment.

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## Attn: Small Landscapers... the T-50 HydroSeeder® means business.

The Finn T-50 yields a top-notch finished job in less time and with less manpower than any other comparable machine on the market. Mixing, suspending and spraying of heavier concentrations of seed, fertilizers, lime and fiber mulches makes the T-50 a real profit workhorse. Your

profits will increase because of the terrific cost savings in time and labor. Before you know it, you'll be competing with the big guys...



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Just look at all these benefits:

- Coverage of 6,000 to 7,000 square feet per tank load
- Economical, one man operation
- Variable speed, reversible, hydraulic motor driven agitator
- Option of diesel power for added operating economy

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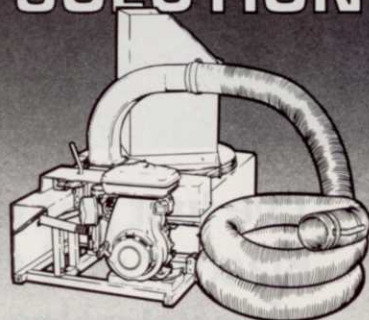
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Ohio residents call collect: (513) 874-2818

9281 LeSaint Drive • Fairfield, Ohio 45014 • (513) 874-2818  
Plants in Fairfield, Ohio and Knoxville, Tennessee

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## THE MULCHING SOLUTION



### Goossen Bale Chopper

In the field since 1982, the Goossen Bale Chopper is a proven landscaping machine. One or two operators lay down an even layer of mulch on newly seeded lawns of any size (the Bale Chopper is easy to maneuver in even the smallest residential applications). The even coverage, WITHOUT tearing and spreading bales by hand, means better moisture retention, better germination.

Complete with interchangeable hose and directional spout available on both self-powered (gas engine) and tractor-mounted PTO models.

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We can save you time and money!

**Goossen** INDUSTRIES

927 W. Court St., P.O. Box 705 Beatrice, NE 68310

Circle No. 124 on Reader Inquiry Card



## **What inconsistent sizing adds to your turf program may be more than you bargained for.**

### **Fertilizer got your equipment in a jam?**

When a company makes a low-cost fertilizer, they can't spend time making sure the granules are all the same size. But your machinery can tell. And it clogs. Causing excessive downtime and a margin that's not quite as high as you'd like.

### **Reduce clogging, get superior results with Lebanon Turf Care Products for professional lawn care.**

Lebanon homogenous and SCU fertilizers are made from high quality raw materials to give you uniformly sized products. They've been formulated to work with drop-type or rotary spreaders—evenly and quickly, without clogging.

And, because they release nitrogen evenly, they give you the precise green-up and color you want.

### **Choose from our wide range of products. Or let us make a product just for you.**

We feature over three dozen standard homogenous fertilizers, sulphur-coated urea blends and fertilizer/chemical control products. But we'll be happy to formulate an exclusive mix for your own unique soil needs.

### **Order early and save!**

Lebanon has convenient early order and early pay discounts to meet any need. If you'd like to learn more about Lebanon programs, or simply have a question about our products, call **The Greenline** toll-free at 1-800-233-0628; in Pennsylvania call 1-717-273-1687.



### **Send for your free product sample and take a closer look at Lebanon quality.**

Simply clip this ad, return it to **Lebanon Total Turf Care** along with your name and address, and indicate your preference of a homogenous or SCU blend fertilizer sample. It's our way of proving to you that with **Lebanon Turf Care Products**, you always get what you pay for.

**Lebanon**  
TOTAL TURF CARE



A division of Lebanon Chemical Corporation  
P.O. Box 180 • Lebanon, PA 17042

# BOOKSTORE

## 625 - ADVANCES IN TURFGRASS ENTOMOLOGY

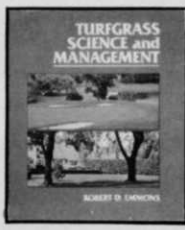
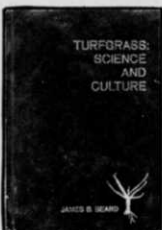
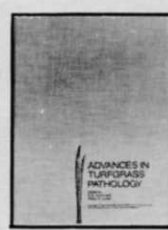
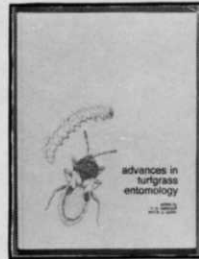
edited by Niemczyk and Joyner  
A complete account of the facts presented at the 1980 Symposium on Turfgrass Insects. 200 photographs, tables and graphs make this volume an indispensable reference for anyone connected with the turfgrass industry or research. **\$24.95**

## 010 - ADVANCES IN TURFGRASS PATHOLOGY

by Joyner and Larsen  
Leading U.S. turf pathologists report on turfgrass diseases, phythium 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**

## 645 - MANAGEMENT OF TURFGRASS DISEASES

by J.M. Vargas  
Identifies turfgrass diseases by description and illustration. Includes a holistic approach to healthy turf and lawns. Presents practical management strategies for golf courses, lawns and athletic fields. 204 pages, illustrated. **\$26.70**



## 630 - TURFGRASS: SCIENCE AND CULTURE

by James Beard  
Comprehensive basic text and reference source used in many leading university turf programs. Includes findings of current research compiled from more than 12,000 sources. **\$30.95**

## 605 - TURFGRASS SCIENCE AND MANAGEMENT

by Robert D. Emmons  
Discusses the establishment and maintenance practices used by successful turfgrass managers. Deals with the relevant scientific theory and practical management skills. Provides guidelines for turf maintenance of golf courses, lawns, athletic fields, parks, cemeteries, sod farms. **\$25.79**

## 640 - TURF IRRIGATION MANUAL

by James Watkins  
A guidebook for engineers, architects, designers and contractors. Keeps pace with the latest developments in turf and landscape irrigation. Specific chapters devoted to rotary sprinkler design systems. Golf course design systems and expanded engineering and reference material. **\$23.95**

## 615 - TURF MANAGEMENT FOR GOLF COURSES

by James Beard  
Written by an eminent turfgrass researcher, this USGA sponsored text is an ideal reference and "how to" guide. Details all phases of golf course operations including course design and construction, turf management, course administration, irrigation, equipment and disease and pest control. Fully illustrated. **\$52.75**

## 620 - TURF MANAGEMENT HANDBOOK

by Howard Sprague  
Practical guide to turf care under both healthy and poor turf conditions. Chapters cover turf in cooler and warmer regions, fertilizer use, regular turf care, weed and disease control and special turf problems. Useful seasonal schedules for management of turf areas. **\$19.00**

## 110 - TURF MANAGER'S HANDBOOK

by Daniel and 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. **\$28.95**



## FUNDAMENTALS OF LANDSCAPING AND SITE PLANNING

James B. Root

365 - LANDSCAPE PLANTS IN DESIGN  
by Edward C. Martin  
An annotated photographic guide to the design qualities of ornamental plants and their aesthetic and functional use in landscape designing. Over 600 trees, shrubs, vines, ground covers and turfgrasses are described in non-technical language. Over 1900 photographs. Provides a basis for selecting the best plant materials for any particular use in landscape design. Contains detailed indexes that provide quick reference to particular design qualities and growing conditions. **\$55.00**



## 305 - FUNDAMENTALS OF LANDSCAPING AND SITE PLANNING

by James B. Root  
Covers everything from the evolution of the earth's surface and the primary needs and functions of plant life to site planning and the concept of contours and the methodology of organizing a landscape. Demonstrates environmental design techniques. **\$29.50**

## 300 - LANDSCAPE DESIGN: A PRACTICAL APPROACH

by Leroy Hannebaum  
Geared for the commercial designer/salesperson, this is a one-stop guide to the landscape design process. Covers the entire highly competitive field including design analysis techniques, pointers on land forms, specialized business landscaping methods, environmental design guidelines, specifications, estimations, bids. **\$24.95**

## 370 - LANDSCAPE OPERATIONS: MANAGEMENT, METHODS & MATERIALS

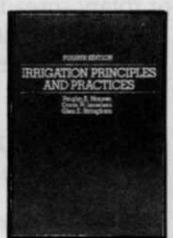
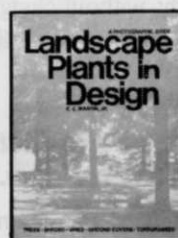
by Leroy Hannebaum  
An in-depth examination that combines technical training in landscape science with methods of accounting, business management, marketing and sales. Discusses effective methods for performing lawn installations, landscape planting and maintenance. Step-by-step accounting calculations are explained in simple terms. **\$24.95**

## 375 - RESIDENTIAL LANDSCAPES

by Gregory M. Pierceall  
An excellent reference for individuals involved in the design and development of plantings and constructed features for residential sites. Illustrations and actual residential case study examples are used to communicate graphic, planning and design concepts which are the focus of this text. **\$29.95**

## 635 - IRRIGATION PRINCIPLES AND PRACTICES

by Hansen, Israelsen, Stringham  
A new fourth edition of this highly successful textbook presents essential concepts pertaining to water conveyance, application, storage in the soil and use by plants. Basic underlying principles that govern irrigation practices are stressed. **\$48.45**



# AQUA-GRO®

SOIL WETTING AGENT

## The #1 Solution To Your Water Management Problems...

AQUA-GRO® soil wetting agents have become the best selling wetting agents for turf and landscape simply because they work. For more than 30 years AQUA-GRO has helped you solve the toughest water related problems—compaction, localized dry-spots, puddling, thatch and disease—while *saving you labor, money and water.*

- Saves labor by alleviating localized dry spots and compaction and reducing the need for aerifying, syringing and rebuilding.
- Saves money by increasing fertilizer and pesticide effectiveness because chemicals are distributed uniformly in the root zone.
- Saves water costs by 30-50% because more water uniformly penetrates the root zone...so plants get more and you waste less.

A patented blend of non-ionic organic wetting agents, AQUA-GRO is the *only 100% active blend of wetting agents available.* We don't believe you should pay for water. AQUA-GRO works by reducing water's natural tensions, ensuring more uniform penetration and drainage through all types of soils and thatch. AQUA-GRO lasts because it won't leach.

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## Pressure-sensitive tape can aid repair jobs

3M's Packaging Systems Division offers pocket-sized pads of pre-cut, 4x6-inch sheets of Scotch brand pressure-sensitive tape that can be quickly peeled and applied to make many taping jobs faster and easier.



A sheet can securely and tightly seal torn bags of fertilizer, seed, and other lawn and garden products. The

tape is also ideal for laminating mailing tickets, protecting labels, covering stickers, or other shipping applications.

The tape pads are sold 20 pads to a packet, with eight packets to a case, providing 160 pads, or enough to perform 4,000 taping jobs. A packet fits easily into a uniform pocket.

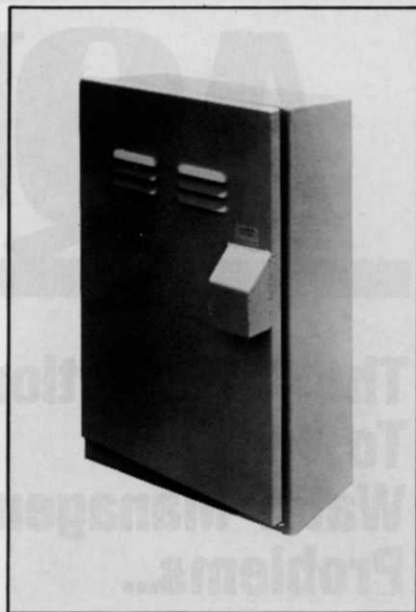
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## Vandal-resistant boxes feature heavy steel plate

Le Meur Manufacturing offers an expanded line of vandal-resistant irrigation controller enclosures, featuring many new standard features, including pre-finished colors and easy-installation mounting.

The enclosures feature a  $\frac{3}{16}$ -inch steel plate (thick enough to stop bullets), lock-shield handle covers, and flanged doors. The new enclosures are available in two automotive enamel pre-finishes: foliage green or desert tan.

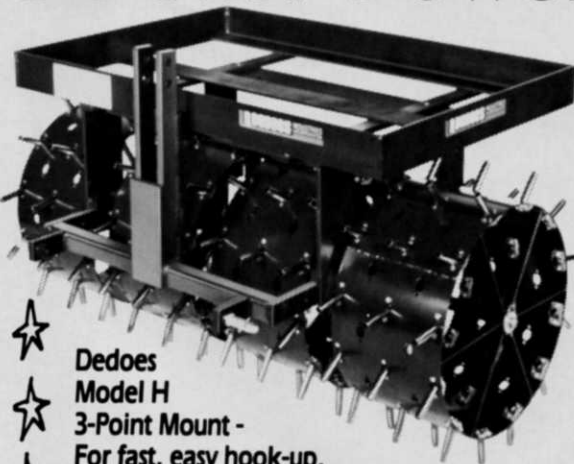
Le Meur will custom finish to any color the customer requires. Enclosures are available in stainless steel.



Installation is aided by a new anchor-bolt template which allows the unit to be mounted accurately on a concrete pad without using any additional tools. A  $\frac{3}{4}$ -inch waterproof plywood panel permits the installer to place controllers or other equipment in any desired configuration.

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## 3-Point Power



**Dedoes  
Model H  
3-Point Mount -  
For fast, easy hook-up,  
and rugged, dependable aeration!**

From athletic fields, parks and golf courses to commercial use, the Dedoes Model H is the "big job" aerator that smart supervisors depend on. Patented, hinged tines for clean plug removal are standard on 2-3-4 or 5 drum units with 36-60 or

120 tines per drum. Heavy-duty solid steel construction utilizes low-cost cement blocks for weight. So if you're looking for power and dependability in a low-maintenance aerator... look into a Dedoes aerator today.

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## Your profession should be worth \$1.15 a week.

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- Annual Conference & Trade Show — The yearly forum bringing together grounds managers, top speakers and suppliers for the sharing of knowledge and ideas.
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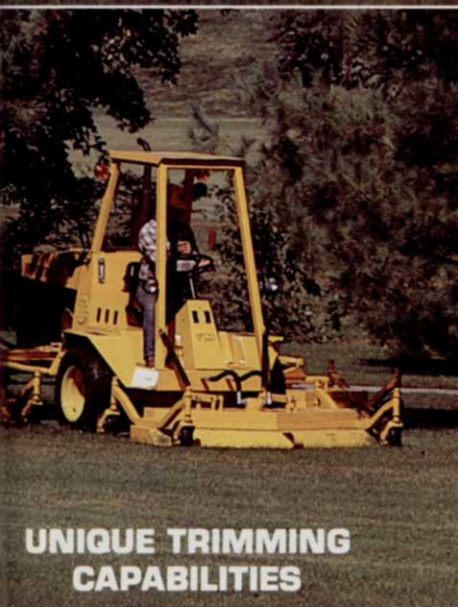
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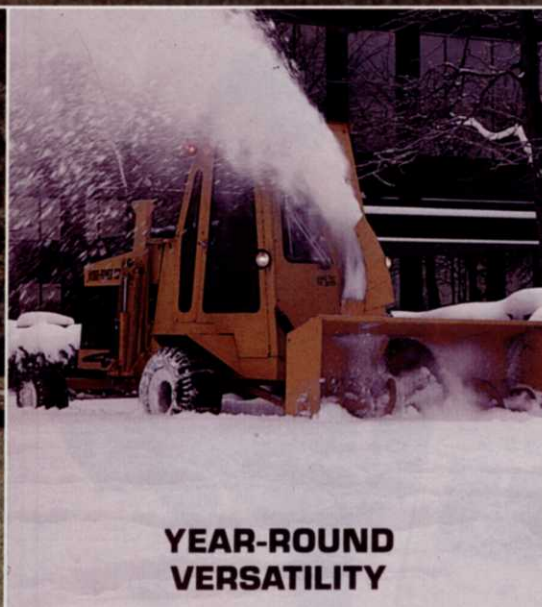
# CUT YOUR TURF PROBLEMS DOWN TO SIZE



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**EASY-FOLDING  
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Your search for a high capacity mower encompassing a one man operation is now concluded. The Hydro-Power 180 with its 15 foot hydraulically driven rotary mower has a mowing capacity of up to 11 acres an hour while incorporating rear wheel steering for maximum maneuverability. Cutting units are designed for maximum floatation and may be used individually or in any combination of the three.

A foot pedal controlled hydrostatic transmission affords variable mowing speeds as well as transport speed to insure maximum travel time between the job sites. The Hydro-Power 180 offers year-round versatility with a 2-stage, 73" snow blower and heated cab.

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The image your employees project is important. Important to sales *and* morale. Velotta uniforms offer everything from basic work uniforms to custom-made sport and work apparel, and in a rainbow of styles and colors. Whatever your needs; work uniforms, caps, jackets, monogramming or computerized logo embroidery, we have it—and at the right price. Whether your business is big or small, we can help you select the right uniform. Call our toll free number today, or circle the reader service number below and get a free copy of our catalogue.



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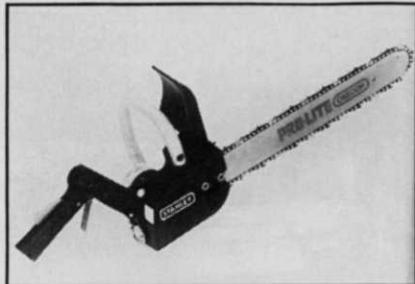
12429 Cedar Road, Cleveland, Ohio 44106. Phone (216) 791-5050



## Hydraulic chain saw redesigned for safety

Stanley Hydraulic Tools, Milwaukie, Ore., has redesigned its hydraulic chain saw for safer, more comfortable operation. The CS06 includes a chain catcher to prevent backlash from broken chains, a forward hand guard and a new trigger to prevent accidental starts.

The hollow trigger handle stays cool without oil passage inside. The



assist handle is located and shaped for better control, and the chain oiler is adjusted externally.

The CS06 accepts all standard bars. An adjuster for chain wear and guide plates keeps loose chain from jumping off the bar tail.

The saw is also available with a dual spool which allows the saw to be used as an open-center or closed-center tool. The CS06 is available in 12-, 15- and 20-inch cut lengths.

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## Stand can be used in trimmer repairing

A trimmer stand from Park Tool Co. originally was designed for the assembly and servicing of bicycles. But its versatility allows it to clamp hard-to-

