

Peters Technology Packs Pure Performance In Every Drop.

Now, Peters brings cutting edge technology to turf and landscape managers.

Peters* Water Soluble
Fertilizers are engineered with
purer, higher quality ingredients to rigorous standards.
This guarantees safer, more
effective performance—from
bag to bag, application after
application. And Peters is 100%
soluble, with no residuals to
clog or damage equipment.

Regardless of the formulation you choose, each application of Peters provides the exact ratio of all necessary nutrients. So you can quickly and safely make your best looking greens and tees look even better. And, turn problem areas into lush, green expanses.

For more than 40 years, Peters technicians have perfected the development of high quality

soluble fertilizers. Now, Peters is the standard of excellence

for turf and landscape managers, too.

Contact your Grace-Sierra distributor or call us toll-free at 1-800-492-8255.

And get the edge of Peters technology working for you.

1990 Grace-Sterra Horticultural Products Company, Peters is a registered trademark of Grace-Sterra Horticultural Products Comp

Circle No. 122 on Reader Inquiry Card

centive program for buyers of selected products, January 1-March

Purchase a Hustler 251K with Bac-Pac or 260K with Bac-Pac and receive a choice of two specially selected packages, each with a retail value of over \$550.

Models 251K and 260K feature the Turbo Shredder mower deck. When combined with the Bac-Pac attachment, they make a complete multi-season turf maintenance machine

The Excel "Accessory Package"

contains the Hustler Edger Attachment and Rear Weight Kit.

The manually controlled edger is operated from the driver's seat and features a self-sharpening blade and sealed bearing, making it maintenance free, according to Ex-

A "Maintenance Package" includes normal maintenance items such as belts, filters and blades, and the Rear Weight Kit and Seat Armrest/Backrest Extension Kit for greater operator comfort.

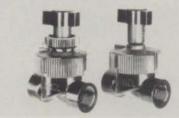
Circle No. 199 on Reader Inquiry Card

Install and maintain new valve with ease

A super-durable valve line from Toro is designed to render installation, operation and mainenance dramatically easier and more efficient than ever be-

The Flo-Pro features the Toro QuickLind wireless solenoid, which enables the controller wires to be slipped straight into the solenoid for an instant connection with complete integrity. A waterproof gel inside the cap surrounds the contacts, eliminating the need for wire splices and watersealing.

Toro says the Flo-Pro has an encapsulated solenoid, with the plunger and other critical parts contained inside, so springs, screws and O-rings can't pop out.



Circle No. 200 on Reader Inquiry Card

Meeting features newest vehicle line improvements

Club Car's recent dealer meeting provided the company an opportunity to intorduce its new line of work vehicles.

Included in the product line-up are the Carryall I and Carryall II Pickup, Carryall I and Carryall II Flatbed, the Carryall Il Plus, and the Tourall. The new features include the front cowl manufactured in



new, more flexible, more durable and easier to repair material.

An improved fresh air intake system has been added to the gas models.

A new gravity tilt bed on the Carrvall I and the tilt bed with optional hydraulics on the Carryall II will make unloading easier.

Circle No. 201 on Reader Inquiry Card

Bio-fertilizer rebuilds soil's biological productivity

TurfTech II—from Soil Technologies Corp. - is a microbial bio-fertilizer continued on page 84

Turn Your Green Th Greenbacks.

You can grow your own company with a ServiceMaster LawnCare Franchise. And make a good living doing what you love.

As the industry leader, we give you all the training and support you need. So don't let the grass grow under your feet. For more information, call toll-free at 1-800-228-2814.

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AMERICAN HOME SHIELD*

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1986: #1 In Truck Customer Satisfaction

1987: #1 In Truck Customer Satisfaction

1988: #1 In Truck Customer Satisfaction

1989: MOST TROUBLE-FREE TRUCK LINE IN AMERICA

1990: #1 In Truck Customer Satisfaction

1990: MOST TROUBLE-FREE TRUCK LINE IN AMERICA

We've always believed that if we made good trucks, word would get around. And that's what's happening, if our rankings in recent J.D. Power and Associates surveys are any indication. This year, for the fourth time in the last five, our entire line of trucks ranked number one in customer satisfaction."

And Mazda received the award for most trouble-free compact truck line in America for the second straight year.** We think that's a pretty good indication of

what you, as a fleet operator, can expect from Mazda.

Choose from a complete range of models, 2- and 4-wheel drive, and a choice of engines to suit any purpose.

All with standard features like confidence-inspiring rear anti-lock brakes. And all backed by our 36-month/50,000 mile, no-deductible, "bumper-to-bumper" warranty—one of the best basic warranties[†] in the truck business.

To get the lowdown on the complete line of tough, reliable Mazda trucks, call our National Fleet Sales office at (714) 727-6453. As you'll quickly see, your business can benefit from choosing Mazda. Because only our reputation precedes us.

*J.D. Power and Associates 1986, 1987, 1988, 1990 Light Duty Truck Customer Satisfaction with Product Quality and Dealer Service.SM **J.D. Power and Associates 1989 and 1990 Compact Truck Initial Quality Survey.SM Based on owner reported problems during the first 90 days of ownership. †Contact the National Fleet Sales Office for limited-warranty details.



PRODUCTS from page 82

which offers a comprehensive program for managing soil fertility.

TurfTech consists of dormant microorganisms in a wettable powder, and can be used with any type of grass to enhance the soil-plant relationship. When applied to the soil, these legume-like microbes begin producing organic compounds which include nitrogen from nitrogen fixation, polysaccharides, organic acids and plant growth stimulating hormones.

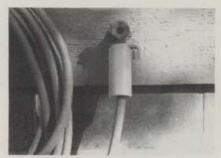
TurfTech II is described as an ideal seedbed preparation, either on bare soil, newly established turf or for overseeding and hydroseeding.

Circle No. 202 on Reader Inquiry Card

Hoses stay put with new locking device

Parker's Safe-Hose is an easy-to-use, two-part hose attachment to guard against hose theft and unauthorized water use.

Safe-Hose is made of durable plastic, and is secured with any standard padlock. Fits any standard faucet and

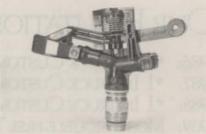


hose. Padlock not included.

Circle No. 203 on Reader Inquiry Card

New impact sprinkler made to be extra durable

Rain Bird Sales, Agri-Products Divsion has introduced the L36, a 3-4 inch impact sprinkler. The sprinkler has been redesigned with many improvements so important to the pivot market. The body is manufactured of Valox for added strength. Arms are



made of Delrin for long lasting wear.

A front counterweight has been added to reduce arm strokes, resulting in less wear and longer life.

Circle No. 204 on Reader Inquiry Card

Turn unwanted by-products into organic fertilizer

Harmony Products now offers the professional lawn care industry an alternative, environmentally sound, high-performing lawn fertilizer and turf builder.

Harmony's lawn fertilizer is made primarily from poultry by-products and is enhanced with synthetic nutrients. This mixture combines the advantages of organic and synthetic ingredients to produce a product that is both agrinomically and environmentally sound. The fertilizer's chemical makeup is 14-3-6.

Harmony says its fertilizer produces an initial green-up, increases soil microbial activity and moisture holding capacity, and provides valuable soil micronutirents. Over time, it will rebuild the quality of existing soil, leading to better turf with less chemical inputs.

Circle No. 205 on Reader Inquiry Card continued on page 90



Say hello to Exmark's

Floating deck performers.

Large-deck productivity plus a smooth, beautiful cut can be yours with an Exmark Turf Tracer,™ Turf Ranger™ or Explorer.™ Unique floating decks glide over uneven terrain for a perfect cut that will make you proud. We invite you to ask your dealer for a demonstration and experience all the advantages of Exmark's floating deck performers. For the dealer nearest you contact Exmark: 402/223-4010





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Recognize America's Living Landmarks



From the towering 275-foot Giant Sequoia in California's Sequoia National Park to the relatively diminutive 20-foot Allegheny Plum in Virginia's Blue Ridge Mountains, America's living landmarks are an invaluable part of our nation's natural heritage.

That's why the American Forestry
Association began The National Register of Big
Trees in 1940. Today, as then, we encourage
citizens across the country to find and recognize the
largest tree of each species. With your help and
participation, we can locate and protect these

champions for future generations while fostering a deeper appreciation for trees and forests everywhere.

For information on how to measure

and nominate a Big Tree, write: The National Register of Big Trees, American Forestry Association, P.O. Box 2000, Dept. BT, Washington, DC 20013.

America's Living Landmarks. Their preservation is every American's concern.



BOOKSTORE

010 - ADVANCES IN TURFGRASS PATHOLOGY

PATHOLOGY
by Joyner and Larsen
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

220 - CONTROLLING TURFGRASS **PESTS**

PESTS
by Shurtleff, Fermanian, Randell
New comprehensive guide provides
the most up-to-date information
available on the identification, biol-ogy, control and management of
every type of turfgrass
pest. \$48.95

230 - LAWNS-Third Edition

200 - DAWNS-I mire Bulloth by Dr. Jonas Vengris and Dr. William A. Torello Designed as a textbook or a practical usage manual, this book has been completely brought up-to-date. Care of lawns and turfgrass, from selection of varieties to maintenance of established rasa tenance of established grass is completely covered. \$27.95







235 - LAWN CARE: A HANDBOOK FOR PROFESSIONALS

by H. Decker, J. Decker
Written by turfgrass professionals,
this handy guide will be invaluable
for playing field managers, golf
course managers, or any lawn care
practitioner. Covers all aspects of
turfgrass management. \$48.95

640 - TURF IRRIGATION MANUAL

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. \$28.50

615 - TURF MANAGEMENT FOR GOLF COURSES

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 design and construction,
turf management, course administration, irrigation, equipment and
disease and pest control. Fully
illustrated. \$68.00





620 - TURF MANAGEMENT HANDBOOK

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. \$26.60

225 - TURFGRASS MANAGEMENT by A.J. Turgeon
Revised edition. Covers the latest developments in turfgrass science and technology. Heavily illustrated with dozens of new drawings. Provides specific recommendations for applying the newest pesticides, fertilizers and other materials to combat turfgrass problems. A valuable reference for diagnosing problems and determining their causes. \$54.95

630 - TURFGRASS: SCIENCE AND CULTURE

CULTURE
by James Beard
Comprehensive basic text and reference source used in many leading
university turf programs. Includes
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110 - TURF MANAGERS'
HANDBOOK-Second Edition
by Daniel and Freeborg
ENTIRELY UPDATED. A practical
guide for the furf practitioner. Chapters on grasses, growth regulators
and diseases have had extensive
modification. Innovations resulting
from research and practice have
been added to reflect the current
techniques available for turf
managers. \$32.95







CONSTRUCTION 1990

CONSTRUCTION 1990
Kathleen W. Kerr, Editor
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.
\$39.95



300 - LANDSCAPE DESIGN: A PRACTICAL APPROACH

PRACTICAL APPROACH
by Leroy Hannebaum
Geared for the commercial designer/salesperson, this is a onestop 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,
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320 - LANDSCAPE REJUVENATION

320 - LANDSCAPE REJUVENATION BY Bonnie Lee Appleton Explains how to rejuvenate a land-scape renovation. Included is information on how to make an appraisal of the landscape, how to determine landscape needs, maintenance considerations, how to execute a landscape renovation. \$150. \$15.95



375 - RESIDENTIAL LANDSCAPES

373 - HESIDENTIAL LANDSCAPES by Gregory M. Pierceall An excellent reference for individu-als involved in the design and development of plantings and con-structed features for residential sites. Illustrations and actual resi-dential case thick expendence. dential case study examples are used to communicate graphic, planning and design concepts which are the focus of this text. \$55.95



370 - LANDSCAPE OPERATIONS: MANAGEMENT, METHODS & MATERIALS

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. \$54.95



365 - LANDSCAPE PLANTS IN

365 - LANDSCAPE PLANTS IN DESIGN by Edward C. Martin
An annotated black & white 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. \$68,95



305 - LANDSCAPE MANAGEMENT by James R. Feucht and Jack D. Butler Planting and Maintenance of Trees, Shrubs, and Turfgrasses. Describes the basic principles of cultural management of installed landscapes. The important factors of plant growth, soils and fertilizers, improved planting techniques and new pruning techniques integrated pest and disease management, and spray-equipment calibration and care are all featured. \$35,95



410 - DISEASES & PESTS OF ORNAMENTAL PLANTS

ORNAMENTAL PLANTS by Pascal Pirone
This standard reference discusses diagnosis and treatment of diseases and organisms affecting nearly 500 varieties of ornamental plants grown outdoors, under glass or in the home. Easy to understand explanations of when and how to use the most effective fungicides, insecticides and other control methods. \$39.95

430 - DISEASES OF TREES AND SHRUBS

SHRUBS
By Wayne Sinclain, Howard Lyon
and Waren Johnson
A comprehensive pictorial survey of
the diseases of, as well as the
environmental damage to, forest
and shade trees and woody ornamental plants in the United States
and Canada. Reflects the most
important developments in fungal
biology and taxonomy, plant bacteriology, virology, and
environmentally induced stress in
plants. Summarizes information
about newly discovered diseases
and provides up-do-date accounts
of old ones. \$52.50

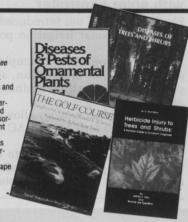
800 - THE GOLF COURSE by Cornish and Whitten The first book ever to give the art of golf course design its due, and golf course architects the credit and recognition that deserts 2201 goir course architects the credit and recognition they deserve. 320 pages and 150 color and black and white photographs. Traces the history and evolution of the golf course, analyzes the great courses, shows how they were designed and constructed. \$35.00

420 - HERBICIDE INJURY TO TREES AND SHRUBS

TREES AND SHRUBS

By Jeffrey F. Derr and Bonnie Lee
Appleton

Describes how to diagnose herbicide damage to nursery crops and
landscape ornamentals. Injury
symptoms resulting from the herbicides used today are described
and compared to other plant disorders to assist in diagnosing plant
problems. Tables list common
names, trade names, major uses
and injury symptoms for the herbicides currently used in
agronomic, horticultural, landscape
and noncrop areas. \$24.95





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 horticulture professional should have. \$135.00

415 - INNOVATIVE APPROACHES TO PLANT DISEASE CONTROL

by llan Chet
Brings together alternative approaches and methods that have
potential to control diseases
caused by fungi, bacteria and viruses. Major concepts of disease
control discussed include biological
control systems their nossible control systems, their possible mechanisms, potential application and genetic improvement. \$54.9

690 - INSECTS THAT FEED ON TREES AND SHRUBS by Johnson and Lyon Essential information for identifying more than 650 insoct pests and the injuries they cause. More than 200 color illustrations. \$49.95

500 - THE 1990 PESTICISE DIRECTORY

by Lori Thomson Harvey and W.T. Thomson A Guide to Producers and Products,

A Guide to Producers and Products Regulators, Researchers and Asso-ciations in the United States. For the person who needs to know anything in the United States pesticide industry. \$75.00 Available in March 1990

125 - SCIENTIFIC GUIDE TO PEST CONTROL OPERATIONS by G.W. Bennett, J.M. Owens, R.M. Corrigan
Fourth Edition. New chapters on furnigation, urban wildlife, special facilities, plus updated, improved chapters on pesticides, cock-roaches, birds, termites, equipment, sanitation, stored product pests and more. Don't be without this updated edition.
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400 - NATIVE TREES, SHRUBS, AND VINES FOR URBAN AND RURAL AMERICA

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This award-winning reference to
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urban tolerance and associate species. Includes unique color-coded
keys that classify plant species by
visual characteristics, cultural requirements and ecological quirements and ecologic relationships. \$86.00

720 - SHRUB IDENTIFICATION 720 - SHRUB IDENTIFICATION by George Symonds
Pictorial key to identify shrubs.
Contains more than 3,500 illustrations to check specimens. Popular and botanical names are given for each shrub and handy index tabs for quick reference.
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The sixth edition of this guide for anyone involved in the care and treatment of trees. Special sections on tree abnormalities, diagnosing tree troubles, non-parasitic injuries and assessing the suitability of different trees. \$45.00

450 - HANDBOOK OF PLANTS WITH PEST-CONTROL PROPERTIES By Michael Grange and Saleem

Ahmed
Provides information on approximately 2,400 plant species having pest-control properties in addition to the plant's specific common and family names, coded information is provided on such plant characteristics as life cycle, classification, and the ecological conditions suited for growth. Also lists 1,000 plants that are potential candidates for screening pest-control activity due to their poisonous nature or their ability to control human and animal diseases. \$49.95





sects and related pests and pest management. \$63.00

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PRODUCTS from page 86

Manage irrigation systems with solar controller

Photocomm, Inc., has introduced the Sundrop VI, solar irrigation power system.

The Sundrop VI is a completely self- contained, six-station, solar powered controller that eliminates all utility connection costs.

Its patented technology allows operation of standard 24-volt, AC solenoid control valves.

The Sundrop VI solid-state controller is fully programmable, offering a wide variety of program options for use in any climate or application.

The controller installs quickly, and comes with all the necessary components, including the new unbreakable Duravolt Solar Module.

Circle No. 206 on Reader Inquiry Card

Filter rust, dirt out of diesel, gas fuel

GoldenRod bowl-type filters do double duty in removing rust, dirt, scale, lint and water from gasoline or diesel fuel as it leaves the tank. Each filter has a different function. Model 495 is designed to remove microscopic particles as small as 10 microns at a 5 gpm gravity flow rate with a 24-inch head. The replaceable filter element has 366 square inches of filter surface for efficient action.

The 495 can be placed in-line to work in combination with model 496 Water-Block filter. The 496 has the same physical construction and dimensions and differs only in its special element offering excellent water absorption and 15 micron particle filtration.

As water accumulates, fuel flow becomes restricted, signalling that it's time for an element change.



Circle No. 207 on Reader Inquiry Card

Curved woods add flair to landscape designs

Carrousel Wood Products, of Arnold, Pa., announces the invention of curved, pressure-treated wood products.

Curved fences, arched arbors, curved bridges, tree seats, curved decks, and other natural products look traditional. The structures are then coated with a new wood finish that protects the fresh appearance of the wood products for



years of enjoyment. Artisans who know hard work mold the strengh and beauty of wood into works of art.

Circle No. 208 Reader Inquiry Card

