

GOLF SUPERINTENDENTS!



YOU CAN WIN \$1000 IN CASH IN WEEDS TREES & TURF'S FOLDING GREEN SWEEPSTAKES AT THE GCSAA GOLF SHOW

You can really mix pleasure with business at the Golf Show this year when WEEDS, TREES & TURF awards \$1750 in cash prizes! Just enter our FOLDING GREEN SWEEPSTAKES at any participating booth...and you might go home \$1000, \$500 or \$250 richer!

Here's all you have to do:

- 1) Pick up your copy (delivered to your hotel door) of WEEDS, TREES & TURF's "International Turfgrass Show Daily" Tuesday or Wednesday for listing of participating booths.
- 2) Go to the listed booths, get an entry

blank, check the rules (for non-exhibitors only). Fill out the form and drop it in the ballot box.

- 3) Enter at each participating co-sponsor's booth to increase your chances of winning the Folding Green.
- 4) Pick up your prize—if you're one of our winners—and have your picture taken at the winning booth. Prizes will be mailed if winners are not present.

That's it—for the fastest "green" you might ever see!

See you at the show...and good luck.

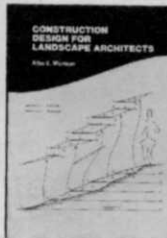
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HBJ A HARCOURT BRACE JOVANOVIH PUBLICATION

BOOKSTORE

340 - CONSTRUCTION DESIGN FOR LANDSCAPE ARCHITECTS

by Albe E. Munson
Design specifications for layout, grading, drainage, structures and irrigation. Also explains mathematics of drafting. **\$34.50**



Cost Data for Landscape Construction

1982
2nd Annual Edition
Unit prices for site development



345 - COST DATA FOR LANDSCAPE CONSTRUCTION 1982

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. **\$27.50**



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**

385 - TREES FOR ARCHITECTURE AND THE LANDSCAPE

by Robert L. Zion
A book of photographic tree definitions, or portraits, intended to facilitate communication between the landscape architect, the architect and the layman. **\$11.95**



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. **\$34.50**



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

665 - THE OXFORD ENCYCLOPEDIA OF TREES OF THE WORLD

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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**



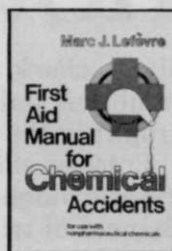
555 - THE NEW YORK BOTANICAL GARDEN ILLUSTRATED ENCYCLOPEDIA OF HORTICULTURE

by Thomas H. Everett
10 volumes compiled in an easy-to-use encyclopedic format with Latin/popular name cross-referencing, 20,000 species, 3600 genera, 2500 cross-references, 10,000 photographs. Slated to be the standard reference source in the field of horticulture. **\$525.00**



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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**



The Grafters Handbook



455 - THE GRAFTER'S HANDBOOK by R.J. Garner
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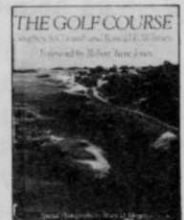
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790 - RECREATION PLANNING AND DESIGN by Seymour M. Gold
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by Geoffrey S. Cornish and Ronald E. Whitten
The first book ever to give the art of golf course design its due, and golf course architects the credit and recognition they deserve. 320 pages and approximately 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**



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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**



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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**

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PRODUCTS

Loaded from ground level

Finn Corp.'s new 800 gallon tank features a low profile design for ground loading. Model T80 also has a hydraulic-powered, variable speed paddle agitator and many of the other



standard Finn features. It is operated by one person.

Circle No. 139 on Reader Inquiry Card

Eliminates expensive inground installations

Larchmont Engineering and Irrigation, Inc. announces the Model 105 Rail

Kannon portable irrigation system designed to spray up to 150 gallons of water per minute over a 150 ft. radius while operating at a minimal water



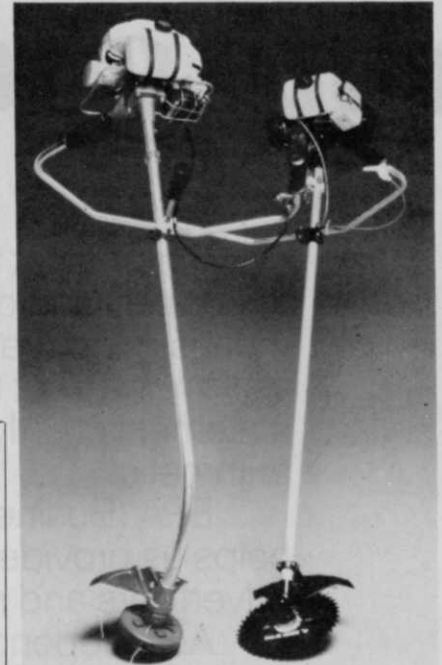
pressure of 65 psi. The trailer mounted unit measures six ft. by eight ft., weighs 325 lb., and has a 3-point trailer hitch base and horizontally mounted hose storage reel. It can irrigate an acre of

land with one inch of water in three hours.

Circle No. 140 on Reader Inquiry Card

Toughest trimming tackled by two new models

Weed Eater offers two commercial trimmers for taking on the toughest trimming and cutting jobs. Model 657 is a gas unit with an 85cc 2-cycle engine and cuts a 21 in. path using heavy duty



.95 inch line. Model 1000 features a 37.7cc 2-cycle engine, twin line cutting head and a 10 in. saw tooth blade. Model 657 weighs 25 lb. while Model 1000 weighs 20 lb.

Circle No. 141 on Reader Inquiry Card

Can clear 36-inch yard gate

Ditch Witch Model 350SX vibratory plow from The Charles Machine Works, Inc. is a compact 35 hp class machine for making underground installations without trenching of power and communications cable or plastic pipe. Material can be installed to cover depths of 12 to 24 in. depending on soil conditions.

Circle No. 120 on Reader Inquiry Card

Handles all types and sizes of bagged materials

Purnell International's Bergu automatic bag emptying systems are available from hand-fed to completely auto-

Don't miss the

1983 Colorado Nursery Conference & Trade Show

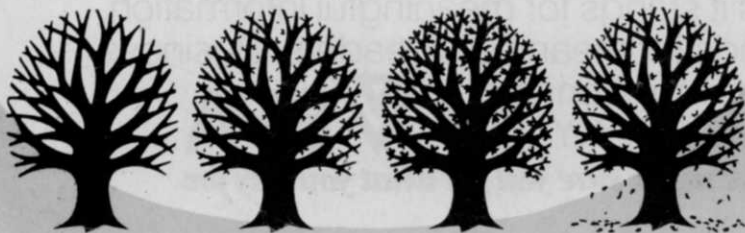
January 24, 25, 26—Denver Merchandise Mart

For information on exhibits or registration contact:

Colorado Nurserymen's Association

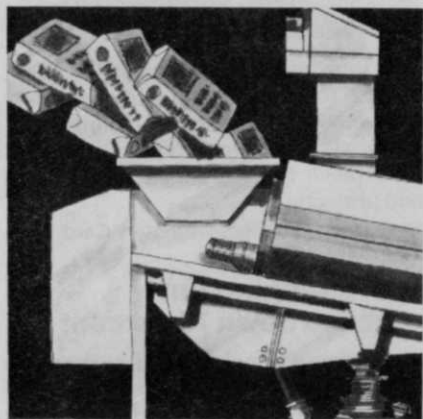
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Circle No. 103 on Reader Inquiry Card

mated pallet handling models. Benefits include a dust free work area for operators, reduction of material loss through almost 100% voiding of all bags, ability to reclaim packaged dry or liquid material, high handling capac-



ity, low maintenance due to fewer moving parts than other systems and compatibility for automatic computer controlled operation. The Bergu system operates on paper, plastic and hemp bags.

Circle No. 121 on Reader Inquiry Card

Handles up to eight-inch diameter trees

Vermeer Manufacturing Co.'s TS-86T tree spade features five hydraulically-controlled digging spades which form a ball up to 87 in. in diameter and 53 in. deep. A low-silhouette reduction gear box and rack and pinion drive maxi-



mize limb clearance inside the spade, and a maximum rear-half height of 85 in. allows operation close to other trees and structures. A dual control system allowing operation from cab or next to rear-half assembly is optional.

Circle No. 122 on Reader Inquiry Card

Long term control of dust

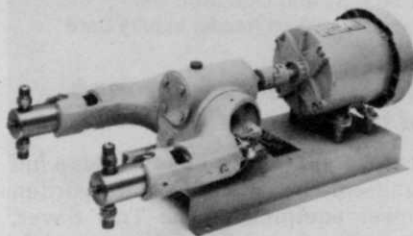
Arco Chemical Co. has developed a dust suppressant said to exhibit greater post-application stability than other currently available products. Dusblco

220 is a stable petroleum emulsion designed to prevent fugitive dust dispersion from paved surfaces by penetrating the cover layer to bind loose particles into a continuous protective coating. It is completely miscible in any ratio without phase separation, non-corrosive, non-flammable, does not cling to shoes or tires and meets the requirements of the mining industry for an all weather dust suppressant.

Circle No. 123 on Reader Inquiry Card

Injector can be pre-programmed

Periodically adding fertilizers, herbicides and nutrients can be done quickly and easily with a remote control in-



jector from Jaeco Pump Co. The sturdy, rust-proof, corrosion-resistant unit is remote controlled by transmitter or CB radio, and is available in gas and belt-driven models with capacities from 1 to 680 gallons per hour. Optional features include a preset timer and electrical switch.

Circle No. 124 on Reader Inquiry Card

Results and recommendations within two weeks

Green Pro Cooperative Services announces a professional soil testing service with laboratory analysis and recommendations covering 14 essential points including type of soil, organic matter content, pH, primary, secondary, micro-nutrients and soluble salts. The data is reported on an easy-to-understand form.

Circle No. 125 on Reader Inquiry Card

Tilts and has winch for loading

Jacobsen's 2800 lb. capacity Model 80 trailer features a 6-ft. by 10-ft. 9-in. all-steel bed that tilts and carries a 1200 lb.

continued on page 48



With the Lancer 350, 2 men can cover a lot of ground.

The only thing small about the Lancer 350 Hydro-Mulcher is its size. On the job, this 350-gallon unit is a giant.

In a normal work day, a two-man crew can cover:

- 4 home lawns (21,000 sq. ft.) on 6 tankloads, or
- 1 apartment or condo lawn (42,000 sq. ft.) on 12 tankloads, or
- 1 athletic field (63,000 sq. ft.) on 18 tankloads.

The Lancer 350, mounted on a single-axle trailer, handles seed, sprig, fertilizer and/or mulch operations. It comes with four nozzles and a 50' extension hose. Optional is a high-pressure pump for herbicide and fungicide application.



For more information, including a free catalog, write or call today.

Bowie Industries, Inc.

P.O. Box 931 Bowie, Texas 76230 817/872-2286

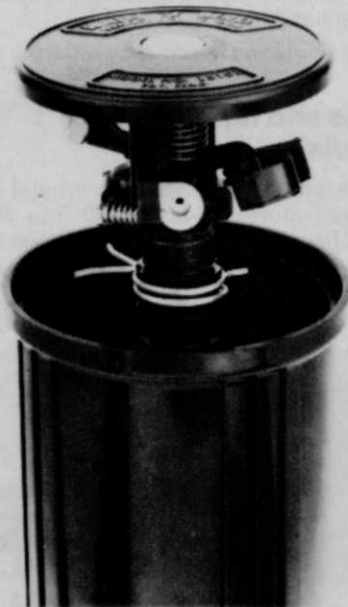
Circle No. 102 on Reader Inquiry Card

capacity winch for loading and unloading equipment. A complete light package meets all I.C.C. highway requirements and a breakaway switch activates the brakes if the trailer suddenly becomes disconnected. Other safety features are an expanded metal 30-in. tailgate, 8-in. bed rails, eight tie-down loops and 10-in. by 2-1/4-in. hydraulic surge brakes.

Circle No. 126 on Reader Inquiry Card

Heavy retract spring assures positive pop-down

Rain Bird Sprinkler Manufacturing Corp. adds a short range rotor pop-up to its Mini-Paw list with the 15103-SR. Features are a .864 in. orifice, low gallonage operation, low angle and



short radius stream and low application rates to resist runoff and puddling. Side and bottom inlets are 1/2 in., pop-up heights is 3 in. and throw range is 14 ft. to 23 ft. A multi-function wiper seal flushes, seals and wipes the pop-up stem.

Circle No. 127 on Reader Inquiry Card

Powerful for its size

Multimot chain saw from Solo Inc. is 1 1/2 hp gasoline-powered with reduction gear drive system. Automatic



oiling system for chain, front and rear hand guards, safety throttle interlock, chain catcher and a ten inch low kick

bar and chain are standard. The chain saw has a low, 80 decibal noise level and many attachments that can be changed without tools.

Circle No. 128 on Reader Inquiry Card

Fertilizes and controls insects in turf

Lakeshore Equipment and Supply Co. provides the turf manager with fertilizer and insect control combination products designed to give varying amounts of slow-release nitrogen and proven insect control. Lesco fertilizer with Dursban is available in five formulations including 40-0-0, 32-5-7, 32-5-7, and 39-0-0 in 4E, 2E and 2.32 granular. Lesco fertilizer with Diazinon is available in 30-5-7 formulation in 14G, 5G and Diazinon 500.

Circle No. 129 on Reader Inquiry Card

Carlisle offers full range of turf tires

Carlisle Tire and Rubber Co. has a full range of tires for lawn and garden power equipment. The Turf Saver, Turf Chief and Turf King models feature a high-flotation, broad-shouldered design for minimal lawn tear-up, three tread patterns for trac-



tion, and are available in 40 different sizes to fit almost any rim. The Sawtooth, Stud and Knobby models for drive and front wheels on hand carts, fun carts, slo-speed transport carts and other equipment are available in 32 sizes.

Circle No. 130 on Reader Inquiry Card

Van chassis makes workshop on wheels

Morrison Division of Scovill's Walk-Thru is installed on a cutaway chassis that provides the maximum in load space with the efficiency of a van chassis. A total of 12 storage compartments with outside access doors are featured



with four accessible from inside. The covered top provides an additional 190 cubic feet of load space with panel rear doors, six plexiglass skylights and a three piece front bulkhead for driver load protection.

Circle No. 131 on Reader Inquiry Card

Tool changing time knocked down 75 percent

RayGo has a knock out tool system for its Gator soil stabilizer that reduces downtime for a complete tool change by as much as 75 percent. Knock out



tools come with cutting edges of hardened steel or a tungsten carbide insert. Tools are tapped into holders and held in place by a compression cord wedged between each tool and holder.

Circle No. 132 on Reader Inquiry Card

Suited for professional and homeowner

Trencher from Ground Hog, Inc. is powered by a 5 hp engine and cuts a trench 3 in. wide by up to 12 in. deep. Features include oversize pneumatic tires, heavy duty steel fabrication, easi-

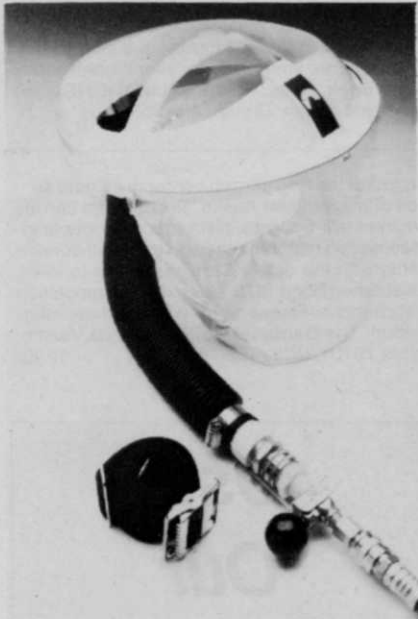


ly replaced hardfaced blades and a screw conveyor to deposit cuttings at the side of the trench. The trencher is compact and easy to operate and has four engine options available.

Circle No. 133 on Reader Inquiry Card

Supplied-air system protects face, breathing

Racal Airstream, Inc. has a supplied-air system for industrial and agricultural applications not requiring head protection, the AC30 Flowstream

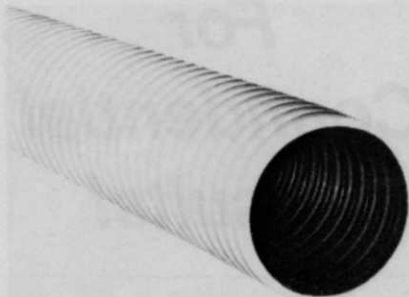


Crown System. It features an air regulating control for user adjustment of airflow, worn at the waist. Clear, raiseable faceshield is fitted with a full Tyvek seal.

Circle No. 134 on Reader Inquiry Card

Drainage tubing exceeds standards

Hancor, Inc. adds Agri-flow Plus tubing to its existing line of farm drainage products to give it a three-tiered product line offering. The tubing has a



white outer layer to prevent stretching caused by high temperatures, has 50% more strength than soil conservation service standards require, and displays superior flexibility during installation.

Circle No. 135 on Reader Inquiry Card

Resists crabgrass encroachment

Reliant Hard Fescue turfgrass for low maintenance areas, from Lofts Seed,

Inc., performs well without supplemental irrigation or fertilizer, is adaptable to sun or shade, is cold tolerant and possesses disease resistance. The synthetic cultivar provides an attractive dark green, leafy, low-growing, fine textured turf.

Circle No. 136 on Reader Inquiry Card

Highly durable and smooth operating

Bolens Corp. Model 1700 Hydro is one of the six models in the new Eliminator series. The tractor features a new chas-

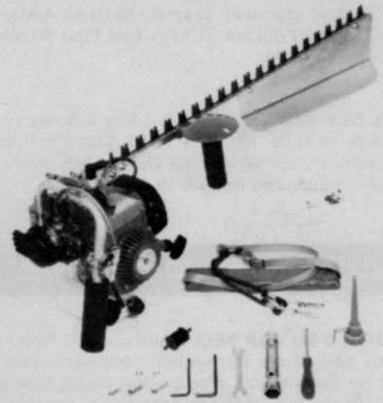


sis and provides for shaft driven attachments. The mid-priced model replaces the Bolens QT-17 at a lower price point.

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Allows feed of large twigs and branches

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