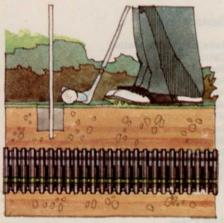
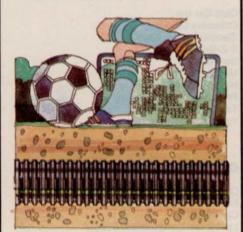
ADS Drainage Tubing It's dependably tough for your toughest turf jobs.



Flexible ADS drains your greens



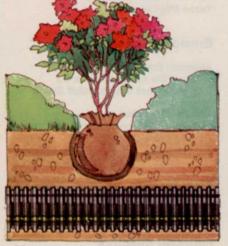
ADS keeps your athletic fields dry



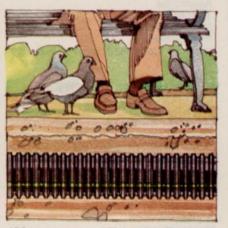
Sandy soils call for ADS Drain Guard®—the nylon filter that won't block or clog.

To serve your drainage needs, ADS operates 21 manufacturing plants nationwide, and the eight regional sales offices listed below:

Madera, CA Iowa City, IA Bellevue, WA 209-674-0903 319-338-3689 206-643-2770



ADS helps maintain beautiful landscapes



ADS controls water runoff in heavily trafficked areas



ADS tubing - a small part of your turf care budget.

Monticello, IL Atlanta, GA Napoleon, OH Livermore, KY Paimer, MA 217-762-9448 404-393-0602 419-599-0585 502-733-4324 413-283-9797

Circle No. 164 on Reader Inquiry Card

Whether you buy or sell turf care products, you want quality. That's why ADS polyethylene tubing is your best bet. For healthy soil, drainage is important. Strong and durable, ADS tubing provides years of trouble-free drainage, and helps maintain stable soil systems.

ADS is easy to install, requiring less labor and no heavy machinery. A flexible tubing, it follows ground contours and adapts to underground obstacles. And, ADS tubing won't rot, rust or break down during handling or backfilling. A full line of accessory fittings and couplings help simplify even the most challenging installations.

At a cost of just pennies per foot, ADS means quality AND value.

This season rely on ADS drainage tubing. You deserve the best.

SPECIFICATIONS

ASTM F-405, Standard Specification for Corrugated Polyethylene Tubing and Fittings. SCS, National Engineering Standard, Code 606. ASTM F-667, Standard Specification for 10", 12" and 15" Corrugated Polyethylene Tubing.

Look for the ADS green stripe

It's your sign of quality - #1 in the land.



ADVANCED DRAINAGE SYSTEMS, INC. Corporate Office 3300 Riverside Drive Columbus, Ohio 43221 (614) 457-3051

For additional product and technical information, contact your nearest ADS sales office.

continued

Bush Hog Implements B & W Sales & Mktg Assoc Echo Inc Encap Products Co FMC Corp HMC/Green Machine H D Hudson Mfg Co Professional Prods Div Root-Lowell Corp D B Smith & Co Solo Inc Stihl Inc Westheffer Co

Edgers

Allegheny International Hardware Group Ariens Co Beaird-Poulan/Weed Eater Div Bunton Co Deere & Co Echo Inc Excel Industries Inc Goodall Div Bunton Co HMC/Green Machine Hoffco Inc K-D Manitou Inc MTD Products Inc. **Orion Chemical Inc** Patrician Products Inc Poulan/Weed Eater **Ransomes Inc** Stihl Inc **Toro Co Commercial Prods** Turfco Mfg Inc Union Fork & Hoe Co Yazoo Mfg Co

Engines

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Engine Parts

Briggs & Stratton Corp Buck Haven Industries Inc Bunton Co Caterpillar Tractor Co Clinton Engines Corp Echo Inc Goodall Div Bunton Co Hoffco Inc Orion Chemical Inc Power Lawnmower Parts Inc Power Spray Technology Inc Strong Ent Inc Tecumseh Products Co Engine Div

Yanmar Tractor (USA) Inc Yazoo Mfg Co

Erosion Control Fabric

American Enka Co Enkamat Div American Enka Co Erosion Control Systems/Gulf States Paper Corp Hoechst Fibers Industries International Reforestation Suppliers Inc Turfibre Products Jim Walls Co

Fault Finders

Progressive Electronics

Fertilizer Injectors

Agrotec Inc John Blue Co **Chemilizer Products Inc Ross Daniels Inc** Dragon Irrigation Equipment by Wes-Co Fert-O-Ject Holly Filter Hydroflo Corp Inject-O-Meter Mfg Co Jaeco Pump Co Minnesota Wanner Co National Chemsearch Power Spray Technology Inc Raindrip Inc Smith Precision Products Strong Ent Inc Trees Inc Westheffer Co Hermann A Wirth Young Industries

Filters, Sand

Laval Corp Claude

Foggers

Agrotec Inc B & G Equipment Co B & W Sales & Mktg Assoc FMC Corp National Chemsearch Raindrip Inc Root-Lowell Corp Stihl Inc Trees Inc

Forklifts

Brouwer Turf Equipment Ltd Roscoe Brown Corp Bush Hog Implements Caterpillar Lift Trucks Caterpillar Tractor Co Clark Equipment Co Melroe Div Deere & Co Dynamic Industries Inc Edwards Equipment Co International Harvester Co K-D Manitou Inc Master Craft Industrial Equipment Corp Princeton Mfg Co Spyder Sales Inc

Generators

American Honda Motor Clinton Engines Corp Deere & Co Ford Motor Co Tractor Operations Homelite Div Textron Inc Milwaukee Electric Tool Corp MTD Products Inc Safety Test & Equipment Co Skil Corp Solo Inc Toro Co Commercial Prods Trees Inc

Golf Cars

Club Car Inc Columbia Car Corp Electric Carrier Corp E-Z-Go Golf Car Go-Fore Melex USA Inc Nordco Electric Vehicles Professional Turf Specialties Taylor-Dunn Mfg Co Yamaha Motor Corp

Golf Course Accessories

Clean City Squares Inc Fox Valley Marking Systems Inc Carl Heald Inc Lakeshore Equipment & Supply Par Aide Products A G Stafford Standard Golf Co Strong Ent Inc

Grass Pavers

Guest Industries Inc Presto Products Inc Turfgrass Products

Hose & Reels

Agrotec Inc Allegheny International Hardware Group Anchor/Swan Corp Bowie Industries Inc Citrus Systems Inc Deere & Co Encap Products Co Finn Corp FMC Corp Friend Mfg Corp Clifford B Hannay & Son Inc

Tough mowers... from rough cut to smooth finish.



Built for the commercial user, to assure lowest operational cost through efficient design, low fuel consumption, low maintenance, and long life. Built to take the hard usage of the commercial mower operator and the environment in which the commercial mower functions.



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New Dursban 50W. Awesome bug control is here.

Now DURSBAN* insecticide, with three formulations, gives you awesome control of bugs, grubs, mites, chiggers, ticks, fleas and weevils.

New DURSBAN 50W is a wettable powder especially for professionals who prefer lower phytotoxicity in treating turf, ornamentals and trees. The elimination of chemical solvents makes this possible. DURSBAN 50W gives extended residual control...eight weeks and more compared to four or six weeks with most other brands.

So now you can do the whole job with DURSBAN 2E, concentrated 4E and new DURSBAN 50W wettable powder. That assures you of maximum bug control and minimum inventory problems.

With all the advantages, you'd expect DURSBAN to cost more. Actually it costs less than most other brands. You can treat 1,000 sq. ft. for only 35¢! And when you use DURSBAN, it means fewer callbacks and more satisfied customers. That's a big step in the right direction.

DURSBAN products are available from your Dow distributor. Also ask him about our "DURSBAN delivers the goods" incentive program. Be sure to read and follow all label directions and precautions. Agricultural Products Department, Midland, Michigan 48640.

DURSBAN 50W Now you're a giant step ahead.



Dow Chemical U.S.A. *Trademark of The Dow Chemical Company.

Circle No. 117 on Reader Inquiry Card

continued

Hanson Equipment Co H D Hudson Mfg Co Professional Prods Div Marco Sprayers Master Sprayers Inc Melnor Industries Orion Chemical Inc Power Spray Technology Inc Professional Turf Specialties Strong Ent Inc Swan Hose Toro Co Commercial Prods Trees Inc Westheffer Co

Insect Killers, Electrical

Deere & Co Devpro Machine Inc Insectocutor Div Insect-O-Cutor Inc Vandermolen Corp

Irrigation, Drip

Aquatic Irrigation Systems Inc Chapin Watermatics Inc Dayni Controls Mfg Co Hendrix & Dail Inc Holly Filter Irri-Trol Mfg Co Jaeco Pump Co Orion Chemical Inc Raindrip Inc Richdel Inc Royal Coach/Buckner Submatic Irrigation Systems

Irrigation, Injection

John Blue Co Ross Daniels Inc Dayni Controls Mfg Co Dragon Irrigation Equipment by Wes-Co Fert-O-Ject Inject-O-Meter Mfg Co Jaeco Pump Co Orion Chemical Inc Royal Coach/Buckner

Irrigation, Mobile

Ag-Rain Inc Royal Coach/Buckner Travelrain Sprinkler

Irrigation Systems & Supplies

Ag-Rain Inc AMETEK/Plymouth Prods Div Aquatic Irrigation Systems Inc Aquaturf Champion Brass Mfg Co Champion Sprinkler Mfg Co Dayni Controls Mfg Co Dema Engineering Co Fert-O-Ject Holly Filter Hydroflo Corp Hydro Rain Irri-Trol Mfg Co Irrometer Co **King Brothers Industries** Lakeshore Equipment & Supply Laval Corp Claude Lumenite Electronic Co McDowell Mfg Co National Irrigation Specialists L R Nelson Corp **Orion Chemical Inc** Parker Interior Plantscape Rain Bird Sprinkler Mfg Corp Raindrip Inc Rain-O-Mat Sprinklers Inc **Richdel Inc** Royal Coach/Buckner Safe-T-Lawn Inc Submatic Irrigation Systems Thompson Mfg Co Toro Co Commercial Prods Toro Co Irrigation Div Weather-matic

Landscape Design Kits

American Stamp Co Miracle Recreation Equipment Co Raindrip Inc

Leaf Burners

Bock Industries Inc

Lighting Systems

Barebo Inc Otterbine Columbia Cascade Timber GTE Sylvania Intermatic Inc Landscape Forms Inc Lighting Prods Div McGraw-Edison Co Little Giant Pump Co Sub Tecumseh Prods Co Musco Sports-Lighting Inc Orion Chemical Inc Richway Industries Spring City Electric Mfg Co Westinghouse Electric Corp Lamp Div

Litter Receptacles

BigToys Clean City Squares Inc Columbia Cascade Timber Friend Mfg Corp Kay Park Rec Corp Lakeshore Equipment & Supply Landscape Forms Inc

Loaders

American Trencher Atwater Strong Div Auburn Consolidated Industries Inc Bush Hog Implements J I Case J I Case Drott Div Caterpillar Tractor Co Clark Equipment Co Melroe Div Deere & Co Dynamic Industries Inc Engineering Products Co Ford Motor Co Tractor Operations International Harvester Co Kubota Tractor Corp Little Giant Products Inc Long Mfg NC Inc Massey-Ferguson Prentek Corp Sperry New Holland Spyder Sales Inc Steiner Corp Tiger Corp Yanmar Tractor (USA) Inc

Log Splitters

Bush Hog Implements JICase Custom Products of Litchfield Inc Deere & Co **Didier Mfg Dynamic Industries Inc** Ford Motor Co Tractor Operations Giant Vac Mfg Inc Hanson Equipment Co Kubota Tractor Corp La Font Corp Lindig Mfg Corp Morbark Industries Inc MTD Products Inc Poulan/Weed Eater **Promark Products Inc** Vermeer Mfg Co W-W Grinder Inc Yanmar Tractor (USA) Inc

Markers, Field

B & G Equipment Co Laurie Carlson & Assoc Richway Industries

Measuring Wheels

Agrotec Inc Gandy Co Professional Turf Specialties Rolatape Corp Safety Test & Equipment Co Westheffer Co

Mist Blowers

Agrotec Inc John Blue Co Buffalo Turbine Agricultural Equip Co B & W Sales & Mktg Assoc Echo Inc Encap Products Co FMC Corp Friend Mfg Corp Hanson Equipment Co HMC/Green Machine H D Hudson Mfg Co Professional Prods Div Orion Chemical Inc Solo Inc Stihl Inc. Strong Ent Inc Vandermolen Corp Westheffer Co

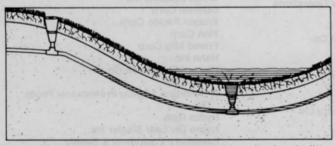
RAIN BIRD

THE SPRINKLER FAMILY THAT MAKES LIFE EASIER. MINI-PAW sprinkler perfor-

MINI-PAW sprinklers offer low trajectory throw and superior performance with low gallonage operation. MINI-PAW sprinkler performance is boosted with new nozzles that provide "Short Range" and full or part circle performance out to 40 feet.

Just about every irrigation professional is familiar with the Rain Bird MINI-PAW* pop-up sprinkler. The word is out that the MINI-PAW 15103 outperforms its competition six-to-one, efficiently covering the same area as six conventional spray heads. That means installers have less pipe and fewer valves to worry about and simplier operation and quicker installation to look forward to.

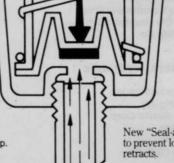
Now Rain Bird technology makes life even easier with three new MINI-PAW models that incorporate the same precision engineering that went into the original — with a few added bonuses. Rain Bird had added low head drainage prevention, short range performance and full or part circle throw out to 40 feet. More than ever, the MINI-PAW family is simply better.



Low head drainage occurs when water seeps out lowest head on the line. New "Seal-a-Matic" option prevents this problem.

RAIN BIRD SALES, INC. Turf Division 145 North Grand Avenue Glendora, CA 91740 USA (213) 963-9311

Registered trademark of Rain Bird Sprinkler Mfg. Corp.
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New "Seal-a-Matic" option closes inlet to prevent low head drainage when sprinkler retracts.

continued

Moisture Sensors

Hinds Int'l Inc Hydro Terra Corp Melnor Industries Soilmoisture Equipment Corp

Mowers, Flail

Bomford & Evershed Ltd **Brillion Iron Works Dynamic Industries Inc** Edwards Equipment Co **Excel Industries Inc** FMC Corp Ford Motor Co Tractor Operations Gravely Haban Mfg Co International Harvester Co Jacobsen Div Textron Inc Kubota Tractor Corp Mathews Co MoTrim Inc Mott Corp Turner International (Eng) Ltd Vemco Corp of America Woods Div Hesston Corp Yanmar Tractor (USA) Inc Yazoo Mfg Co

Mowers, Reel

Brouwer Turf Equipment Ltd FMC Corp Hahn Inc Jacobsen Div Textron Inc Locke Mfg Inc MTD Products Inc National Mower Co Howard Price Turf Equip Ransomes Inc Roseman Mower Corp Toro Co Commercial Prods Yazoo Mfg Co

Mowers, Rotary

American Honda Motor Ariens Co Atlas Tool & Mfg Co Auburn Consolidated Industries Inc Bomford & Evershed Ltd **Bunton Co Bush Hog Implements JICase** Cushman Ryan/OMC Lincoln Deere & Co Edwards Equipment Co **Engineering Products Co** Excel Industries Inc Exmark Mfg Co. FMC Corp Ford Motor Co Tractor Operations Giant Vac Mfg Inc Goodall Div Bunton Co Grasshopper Co Gravely Haban Mfg Co

Heckendorn Mfg Co International Harvester Co Jacobsen Div Textron Inc F D Kees Mfg Co Kubota Tractor Corp Kut-Kwick Corp Lawn-Boy Product Group Long Mfg NC Inc Massey-Ferguson MoTrim Inc MTD Products Inc Nunes Mfg **Orion Chemical Inc** Howard Price Turf Equip Ransomes Inc **Rhino Products Inc** Ryan Turf/OMC Lincoln Sarlo Power Mowers Inc Sensation Corp Sensation Div Gilson Bros Co Smithco Inc Snapper Products Equipment Solo Inc Steiner Corp Terrain King Corp **Tiger Corp** Toro Co Commercial Prods Tradewinds Inc Turner International (Eng) Ltd Woods Div Hesston Corp Yazoo Mfg Co

Mowers, Sickle Bar

Ford Motor Co Tractor Operations Gravely Haban Mfg Co International Harvester Co Kinco Mfg MoTrim Inc Sensation Div Gilson Bros Co Solo Inc Sperry New Holland Turner International (Eng) Ltd

Mower Parts

Ariens Co **Buck Haven Industries Inc Bunton Co** Cushman Ryan/OMC Lincoln Goodall Div Bunton Co Hoffco Inc International Harvester Co Kut-Kwick Corp Lakeshore Equipment & Supply Lawn-Boy Product Group **MTD Products Inc Orion Chemical Inc** Power Lawnmower Parts Inc Howard Price Turf Equip Sensation Corp Toro Co Commercial Prods Woods Div Hesston Corp Yazoo Mfg Co

Mulchers, Hydraulic

Bowie Industries Inc Cellin Mfg Inc Erocon Pacific Corp Finn Corp Reinco Inc Weldco (WA) Inc

Net Layers

Nunes Mfg Robark

Netting

J A Cissel Co Conwed Corp Ross Daniels Inc Delmarva Textile Co International Reforestation Suppliers Inc Turfibre Products

Netting, Erosion Control

American Enka Co Conwed Corp Delmarva Textile Co Enkamat Div American Enka Co Erosion Control Systems/Gulf States Paper Corp International Reforestation Suppliers Inc Turfibre Products

Nozzles & Accessories

Agrotec Inc B & G Equipment Co **Bowie Industries Inc** B & W Sales & Mktg Assoc **Citrus Systems Inc** Delavan Corp **Erocon Pacific Corp** Finn Corp Friend Mfg Corp Hahn Inc Hanson Equipment Co Hotsy Corp H D Hudson Mfg Co Professional Prods Div Hydro Rain Hypro Div Lear Siegler Inc Lakeshore Equipment & Supply Liqui*Lawn Corp Master Sprayers Inc **Melnor Industries** Power Spray Technology Inc Safe-T-Lawn Inc D B Smith & Co Spraying Systems Co Strong Ent Inc Tri-Con Inc

Patio & Walkway Materials

Hoechst Fibers Industries Interlocking Paver Mfrs Assoc Presto Products Inc Turfgrass Products

Picnic Tables

Algoma Net Co-Div Gleason Corp American Approved Equipment BigToys Kay Park Rec Corp Landscape Forms Inc Miracle Recreation Equipment Co Playworld Systems Trojan Playground Equipment Mfg Co

GET THE TRIMMER/ CUTTERS WITH THE STRONGEST ROOTS.

In 1952, Hoffco built a special gasoline-powered portable brushcutter for the U.S. Forestry Service: A fast, dependable way to clear firebreaks and save trees.

In 1972, Hoffco engineered and built the first gasoline-powered monofilament line trimmer for homeowners: A quicker, better way to trim along walks and edge along walks.

In 1983, Hoffco makes the only full line of gasolinepowered trimmer/cutters: Faster, easier ways to trim grass, cut weeds, clear brush.

You get gasoline-powered portable clearing equipment that handles the tough jobs, the easy ones and everything in between. You get a well-engineered, qualitymade product that works right and holds up. You get parts service you can depend on for years to come.

You can get it all from Hoffco, the company with the strongest roots. Ready for the growing seasons ahead.

HOFFCO HEAVY-DUTY

HOFFCO

WW850 10" Brush Blade, 11" In-Kut Weed Blade and Tri-Line Monofilament Head standard Iguipment. JP420 8" Tri-Kut Weed Blade, 2 line Monofilament Head standard equipment, 9" Brush Blade optional accessory. WT 160H 8" Tri-Kut Weed Blade, 3 Exit Single Line Monofilament Head standard

uipment

TOUGH ON THE JOB. EASY ON YOU.

continued

Pipe

Advanced Drainage Systems Inc Long Mfg NC Inc

Planters

Clean City Squares Inc Columbia Cascade Timber Deep Root Corp Ellis Mfg Co International Harvester Co Landscape Forms Inc Miracle Recreation Equipment Co Parker Interior Plantscape

Plants & Trees

Parker Interior Plantscape

Play Structures

American Approved Equipment BigToys Columbia Cascade Timber Delmer F Harris Co Landscape Forms Inc Miracle Recreation Equipment Co Playworld Systems Trojan Playground Equipment Mfg Co

Plows, Sand Trap

Dedoes Industries Inc Jacobsen Div Textron Inc Toro Co Commercial Prods

Pools, Decorative

Fiberglass Unlimited Inc

Post Drivers

Deere & Co Dynamic Industries Inc Guest Industries Inc McMillen Div Nunes Mfg Rhino Sales Corp Shaver Mfg Co Union Fork & Hoe Co

Post Hole Diggers

Allegheny International Hardware Group Bush Hog Implements Clark Equipment Co Melroe Div Deere & Co Feldmann Engineering & Mfg Co Ford Motor Co Tractor Operations Ground Hog Inc HMC/Green Machine Hoffco Inc Kenyon Mfg Inc Kubota Tractor Corp McMillen Div Don Savage Co Seymour Mfg Co Shaver Mfg Co Stihl Inc Union Fork & Hoe Co Yanmar Tractor (USA) Inc

Pressure Gauges

Agrotec Inc Citrus Systems Inc Friend Mfg Corp Irrometer Co Master Sprayers Inc Minnesota Wanner Co Power Spray Technology Inc Professional Turf Specialties Strong Ent Inc

Pressure Washers

Agrotec Inc John Blue Co **Brovhill Co** Citrus Systems Inc Deere & Co Ford Motor Co Tractor Operations Friend Mfg Corp Hanson Equipment Co Hotsy Corp Marco Sprayers Minnesota Wanner Co National Chemsearch Northeast Industries Inc Sioux Steam Cleaner Corp D B Smith & Co Solo Inc Strong Ent Inc Westheffer Co

Pruners

Allegheny International Hardware Group American Standard Co Bartlett Mfg Co **Citrus Systems Inc** Deere & Co Echo Inc Fairmont Hydraulics Florian Pruners Friend Mfg Corp Halls Safety Equipment Inc. HMC/Green Machine International Reforestation Suppliers Inc Limb-Lopper Div/Robinson Ind Safety Test & Equipment Co Seymour Smith & Son Inc Union Fork & Hoe Co D J Wilson Co Hermann A Wirth

Pumps

Agrotec Inc Aquaturf Barebo Inc Otterbine John Blue Co Bowie Industries Inc Broyhill Co Citrus Systems Inc Clinton Engines Corp **Encap Products Co** FMC Corp Ford Motor Co Tractor Operations Friend Mfg Corp Hahn Inc Hanson Equipment Co Homelite Div Textron Inc Hotsy Corp H D Hudson Mfg Co Professional Prods Div Hydroflo Corp Hypro Div Lear Siegler Inc Jaeco Pump Co Kembro Inc Little Giant Pump Co Sub Tecumseh Prods Co Master Sprayers Inc Minnesota Wanner Co **Orion Chemical Inc** Parco Div Blue Mountain Prod Inc Peerless Pump Power Spray Technology Inc **Professional Turf Specialties** Solo Inc Stanley Hydraulic Tools Strong Ent Inc Trees Inc Westheffer Co

Rakes, Landscape

Allegheny International Hardware Group Cushman Ryan/OMC Lincoln Ford Motor Co Tractor Operations Glenmac Inc Kenyon Mfg Inc Roseman Mower Corp Rugg Mfg Co Toro Co Commercial Prods Union Fork & Hoe Co Yanmar Tractor (USA) Inc York Rakes Div York Modern Corp

Rain Sensors

Hydro Terra Corp

Rock Pickers

Glenmac Inc KEM Enterprises

Rollers, Lawn

Brinly-Hardy Co Cushman Ryan/OMC Lincoln Gandy Co Jackson Mfg Co Ryan Turf/OMC Lincoln

Rope

Bartlett Mfg Co Halls Safety Equipment Inc Power Lawnmower Parts Inc Safety Test & Equipment Co Samson Cordage Works

Safety Wear & Equipment

Agrotec Inc Bartlett Mfg Co