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For More Details Circle (104) on Reply Card
Texas Landscape Architects Meet in San Antonio (ns) Mar. 52
(Texas Turfgrass Conference) The Energy Crisis and The Turf Industry (cr) Apr. 16
(Thompson-Hayward Chemical) The Case of the Invisible Vapor Barrier by Donald Fox (fa) Aug. 11
Tiemann, Norbert T., Let's Put the Railroads to Work (ed) Mar. 8
Timber, Western Exports Banned by USDA (ns) May 64
Toro Co., Energy Conservation Tips Available from (ns) Apr. 74
Toro Company Reports Record Six Months Sales (ns) Apr. 66
Toro Dealers, Portable Bubble Displays Ready for (ns) Mar. 32
Toro Dealers, Pre-Packaged Parts Display for Non-Service (ns) May 51
Toro Develops Pocket-Size Slide Chart (ns) Mar. 81
Toro Irrigation Division Has New Vice President and General Manager (ns) Mar. 68
Toro, New Utility Vehicle Coming From (ns) Mar. 50
Toro, Sod Service School Held By (ns) Mar. 52
Toro, Spartan Fund Study (ns) June 46
Toro's Irrigation Classes Offered at Five Locations (ns) Oct. 32
Torrance Recovers From Pine Tip Moth (fa) May 13
(Toward A Cleaner Environment) EPA Book on Aquatic Environment (ns) Feb. 32
Training Courses from OSHA (ns) Apr. 66
(Tree Business) OSHA and the Tree Man by Robert Felix (fa) June 8
Tree Care Firms, Extra Cash from Firewood Helps (ns) Mar. 52
Tree Care: Helping Nature with Science by D. I. Dodds (fa) Jan. 14
(Trees, Are Your, Starving to Death by Harold Davidson (fa) June 20
(Trees) Beyond the Call of Duty or Some People Will do Anything for Money (ns) May 73
(Trees) Creative Cure for Chlorosis by Warren D. Wolfe (fa) July 44
(Trees) DED Controls: Will Systemic Work? by Richard J. Campana (fa) May 16
(Trees) Environmental Side Effects (ns) May 60
(Trees, Inc.) Louisville Declares A Park Emergency (fa) Aug. 16
(Trees) Instant Shade Trees . . . Texas Style . . . by Albert H Korenek (fa) Dec. 10
(Trees) Pre-Selling Shade Tree Care (fa) Nov. 34
Trees, My Reasons for (fa) Sept. 10
(Trees) Protection, Service and Profit by John Z. Duling (fa) Sept. 12
(Trees, Shade, For Our Communities: The Government Program by Dr. John W. Andresen and Philip R. Dolberg (fa) May 26
(Trees) Sycamore Blight Infection Triggered by Wet Weather (ns) Apr. 64
(Trees) Torrance Recovers From Pine Tip Moth (fa) May 13
(Trees) What is the Real Value of a Tree (fa) May 58
(Trees) Young Innovators Introduce Spike Method of Fertilization (fa) May 54
(Turf) A Complex Environment . . . 10 Million Acres of Turf by Gary Johnson (fa) Feb. 22
(Turf) Bent on Better Fairways by Dr. Johnny R. Thomas (fa) Jan 58
Turf Conference Report, Midwest Regional (cr) Apr. 40
Turf Contaminants by Dale E. Kern (fa) Mar. 76
(Turf Disease) Probing the Unseen, The Cover Story (fa) Mar. 10
(Turf) Drainage P.A.T. Takes to the Field by Wm. Daniel, M. Robey, R. Linton (fa) Nov. 12
(Turf) Forward Pass for Bermudagrass by Charles Pyron (fa) Jan. 12
(Turf Industry, The Energy Crisis and the (cr) Apr. 16
(Turf) Nematode Control Pays by Dr. R. V. Sturgeon, Jr. (fa) Apr. 18
(Turf) Nematode Control: Wise Insurance by John Weseloh (fa) June 29
Turf Products Training Offered by Toro (ns) Dec. 23
Turf Protection Directory, 1974 (ns) Aug. 37
(Turf) ProTurf Hosts 90 Europeans (ns) Oct. 30
Turf Research, Future of, Toward the Basics (ns) Jan. 56
(Turf) Sod Production in the Pacific Northwest by Roy L. Goss (fa) June 31
(Turf) Sod, Water, and A System by Henry W. Indyk (fa) July 36
(Turf) The Herbicide Market Golf Courses by Stan Frederiksen (fa) Feb. FF
(Turfgrass) The People Pleaser, GCSAA Conference and Show (cr) Nov. 28
(Turfgrass) Fylking, Official Grass of Expo '74 (ns) June 42
(Turfgrass) Green is for Go (fa) Feb. 65
(Turfgrass) Groups, Officers are Named by (ns) Mar. 70
(Turfgrass: The People Please, GCSAA Conference and Show (cr) Apr. 20
(Turfgrass) When the Going Gets Tough by John R. Hall (fa) May 48
(Turfgrass, Diseases of, by Dr. Houston E. Couch (br) Mar. 13
(Tussock Moth) Contingency Use of DDT Granted (fa) April 14
(Tussock Moth) U.S. Forest Service Plans Go-Ahead for DDT (ns) May 63
Underwood, Frank A., Elected President Golf Course Builders of America (ns) Apr. 60
Upjohn Research Chemist Named Scientist of the Year (ns) Aug. 31
Urban Rise, Second Home Studied by Task Force for More Details Circle (113) on Reply Card
A new natural team, Glade Kentucky bluegrass and trees! Glade performs well in moderate shade, especially when mixed with fine fescues. A selection from Rutgers University (tested as P-29), Glade is an improved, low-growing, medium to dark green grass with fine leaf texture and thick, rapid-growing rhizome and root system. Glade has good resistance to important turfgrass diseases including powdery mildew.

Like boys and trees, Glade and shade go together. Mixed with other elite bluegrasses and fine fescues in moderate shade, Glade is a natural.

Get new Glade at local wholesale seed distributors.
SERIES 1700 PUMP: Hypro Division, Lear Siegler, Inc., St. Paul, Minn.

New roller sprayer pump delivers up to 26 gallons per minute at pressures up to 200 PSI. It has a 15/16 inch diameter stainless steel shaft and is equipped with an adaptor for direct mounting on 540 RPM tractor PTO shafts. Pressure-tested pump housing is available in cast iron or Ni-Resist for corrosion and abrasion resistance. Leather or Viton shaft seals are available optionally in place of standard Buna-N seals. Standard rollers are teflon for most applications; nylon and rubber rollers can be substituted to fit the job. For more details, circle (702) on the reply card.


This cordless electric hedge trimmer comes complete with removable, rechargeable nickel-cadmium battery pack. Overnight charge provides one hour of cutting time. Hard, double-edged, bevel-honed steel blades, with special non-stick coating for clean cutting and resistance to corrosion, deliver 2,000 strokes per minute. 18¼ inch blade is said to increase precision, high-impact plastic housing minimizes fatigue, and conveniently-placed on/off switch maximizes safety. Model 800 will be available in early 1975, priced just under $60. For more details, circle (701) on the reply card.

PVC CHECK VALVE: Flo-Control, Inc., Burbank, Calif.

Flo-Control announces its new line of PVC In-Line Check Valves. These valves, available in sizes ½ inch through 2 inches, are said to be economical, versatile, dependable and corrosion-free. Valve can be used for slope irrigation, swimming pools, pumps, water meters and other applications. The valve has a Scheduled 80 wall stainless steel spring with a guaranteed life of 2,000,000 cycles and a Buna "N" seal which insures suitability for use with chlorinated water, gasoline and oil. For more details, circle (703) on the reply card.

FRATE LIFT: Brouwer Turf Equipment Limited, Keswick, Ontario

Frate Lift loader/unloader is a lightweight compact unit (approx. 2,800 lbs.) capable of operating on construction sites as well as paved areas. Mast is designed to lift unit off ground for loading into specially-designed holders mounted on rear of truck without taking up cargo space. Equipped with three hydraulically-driven wheels with instant forward, reverse and sideshift, the unit is capable of lifting up to 4,000 pounds. It has a short turning radius and the front wheels can be extended individually or together to counterbalance its load. For more details, circle (704) on the reply card.
Vermeer T-300A: toughest track-mounted service line trencher in the field today!

Compare design, compare construction, compare machine weight. That's right. Compare the Vermeer T-300A with any other service line trencher in the field today... you'll see the difference. You'll see it first in construction with an extra heavy-duty, welded channel/pipe frame, a rugged 30 hp engine, the strongest digging chain in its class. You'll see it in design — with a fully enclosed drive system, independent hydraulic track drive and the extra attachments that keep it on the job daily. But, best of all, you'll discover the difference in machine weight — a Vermeer feature that exposes the real shortcomings in lighter, less expensive models... a Vermeer feature that ensures a stronger machine in the frame, the boom, the crawler track drive system, and most important, in your service line work... day after day, year after year.

... also compare Vermeer's complete line of rubber-tired trenchers.

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For More Details Circle (103) on Reply Card

LETTERS TO THE EDITOR

Dear Sir:

I would like to draw attention to an error in the article DAWN ATTACK... ON HYDRILLA which appeared in your June issue.

Reference was made to treatment rates and cost per treatment in terms of acre feet. All such references should be in terms of SURFACE ACRES. Doug Jones, Advertising Manager, Applied Biochemists, Inc.

Dear Sir:

It was with considerable dismay that I recently read "Infrared Aerial Photography — Easier Than you Think!" by Wildman and Clark in the October issue of WEEDS TREES AND TURF.

... it has managed to convey in unmistakable language the ideas that color infrared film (photography) is heat-sensitive and that "previsual detection" was achieved. Neither is true. Color infrared film (either 2236 or 2443) is not heat-sensitive in any sense of the word. "Previsual" infers that plant stress is visible on the CIR photography before it is visible to the human eye. I know no one, including ourselves, who has done a great deal of work with applications of CIR to the plant sciences (forestry, agriculture, etc.) who have ever achieved true "previsual" detection. What is sometimes confused as "previsual", but technically is not, is when the stressed part (e.g., the top of a tree) is not visible on the ground, but can be seen from the air. But even in these cases, it will often be visible to the airborne human observer and on color film as well as CIR. Merle P. Meyer, Director, Institute of Agriculture, Remote Sensing Laboratory, University of Minnesota, College of Forestry, St. Paul, Minnesota.

Dear Sir:

Your editorial in the September, 1974 issue of WEEDS TREES AND TURF concerning our rather low priority on the lists of chemical manufacturers, lawmaking bodies, etc., brings to the forefront the necessity of all our diversified industries working together. If this could be done successfully, I am sure our "minor" position would be uplifted to one of major influence.

For example, The Long Island Pest Control Association and the Long Island Arborists Association, both of which we are a member, have recently sent out questionnaires to their members requesting the type and amounts of various pesticides being used which would then be forwarded to the appropriate chemical companies. This is a good start. However, if these two associations combined their data and forwarded it to the above companies, theoretically our influence with them would double. Now, take this effect and combine it with the sod growers, park superintendents, nurserymen, and other segments of the industry and we begin to really make ourselves felt.

A good first step in getting these associations to work together could be to develop a liaison between these groups using individual members. These liaisons, should: 1. be active in a local, state, or national association, 2. have some working knowledge of the association he is to liaison with.

Many associations are now actively working to educate the public, lobby for favorable legislation, and influence suppliers. Since many of the individual association problems are all our problems, it's time to get together. W. William Abrams, Prudent Controls Corp., Copiague, New York.
CLASSIFIEDS

When answering ads where box number only is given, please address as follows: Box number, c/o Weeds Trees and Turf, 9800 Detroit Ave., Cleveland, OH 44141.

For Sale


WOOD SPLITTER attachment for your backhoe converts your backhoe to a splitter in less than 10 min. Build it yourself with our blueprint. St. Louis Lumber Trac Service, 32 Martha St., Tiffin, Ohio 44883.

USED EQUIPMENT

FOR SALE: Sprayers: used and new; hydraulic and mist, all makes; Royal 20, 35, and 55 pumps. Used rototom parts, big discount! Phone 313 665-5338 or 313 994-3110. Write: Ralph McPeek, Pleasant Place, Ann Arbor, Michigan 48103.


FOR SALE — 11 gang Jacobsen mowers, 9 gang Roseman mowers, irrigation cable sprinkler with 4 inch rubber hose, 1200 feet 8 inch high pressure irrigation pipe. Wanted used Bower sod harvester, Anderson Rock picker. Schneider Sod Farm, R9, Quincy, Illinois 62301. Phone 217 224-1893.

JACOBSEN SEEDER Model 524-100 self-propelled unit. In excellent condition, used only 10 hours. $1000.00. Write or call: Jim Walter, 624 Fairmont St., Latrobe, Pa. 15650. Phone 412 537-8778.


BRUSH CHIPPERS, aerial boom, hydro-AX's, manufacturers, plows and trenchers. We buy and sell. Wright Tree Service, Equipment Division, Des Moines, Iowa. Phone 515 277-6467.

VERMEER Model 630 Stumper with only 10 hours use, excellent condition. $3,200.00. Write: Tree Care, phone 305 847-4264 Kissimmee, Florida.

FOR SALE: Vermeer M-12 power backfiller, used one season, excellent condition. Make offer. White Turf Engineering, Winchendon, Mass. 01475. Phone 617 297-0940/0941.

STUMP grinders, log splitters, chippers, sprayers, bucket trucks, all reconditioned; let us know your needs. Easco, 5620 Old Sunrise Highway, Massapequa, New York 11768. Phone 516 799-7619.

FOR SALE: 5 18" Ryan sod cutters with sulky rollers, excellent condition. Foxcroft Sod Farms, Glen Ellyn, Illinois. Phone 312 469-4638.

FOR SALE: Vermeer model 1560, good condition $2000.00. Phone 517 484-5780.

SEADS

SOD QUALITY Merion Seed for discriminating growers. F. yking, Delta, Park, Newport, & Nugget, Glade, Cherrl, Glade and Baron bluegrasses as well as fine fescues. Also Manhattan fine leaved rye grass. We will custom mix to your specifications. Michigan State Seed Co., Div. of Vaughan-Jacklin Corp., Grand Ledge, Michigan 48837. Phone No. 517 627-2164.

HELP WANTED

TREE CARE SALES REPRESENTATIVES: The Davey Tree Expert Company has openings for Sales Representative in the south east and mid-Atlantic coast area. Must have Jr. College or four year degree and/or four to six years of sales experience in tree care or allied fields such as nursery, landscaping, forestry and retail garden stores. Will train the sales-oriented person who will be on salary. Later salary plus bonus arrangement with unlimited earnings for those who can sell our comprehensive Maintenance Care or application with resume to R. J. McCaffery, The Davey Tree Expert Co., 117 S. Walter, Kent, Ohio 44240. An equal opportunity employer.

DISTRIBUTORS for D. J. Andrews, Inc. If you own or work for a company that would like to distribute or sell our equipment, write or call us. Write: D. J. Andrews, Inc., 17 Silver St., Rochester, New York 14611. Phone 716 235-1230, or 716 436-1515.

INDUSTRIAL WEED CONTROL — Immediate opening for an industrial weed control sales representative. Duties: sell weed control contracts during the winter months; service the same accounts during the balance of the year. A knowledge of soils, weed species and herbicides would be desirable. Salary based upon experience. Excellent fringe benefits. Send resume to: Dave Bassler, Western Soil Management, 1048 Route No. 22, Mountainside, New Jersey 07092.

SUPERINTENDENT, full time management of nine woodland properties in Medfield, Dover, Sherborn, Needham and Natick, Massachusetts area totaling 1,215 acres. Knowledge of woodland management, maintenance of vehicles and equipment and care of natural ice for skating. Ability to meet visiting public, direct staff and to prepare bi-monthly reports. Send resume to: R. J. McCaffery, The Davey Tree Expert Co., 117 S. Walter, Kent, Ohio 44240. An equal opportunity employer.

GROUNDSMAN—GARDENER: Large midwest zoological park needs competent groundsman to maintain and improve lawns, native trees and shrubs, floral areas, and tropical indoor plantings. Experience and pertinent education in horticulture, aboriculture, or landscaping preferred. Graded salary scale, beginning at $8900 or $9900. Liberal benefits. Reply to P.O. Box No. 342, Brookfield, Illinois 60513.

January WT

Turfgrass Care & Irrigation

Misellaneous

Tree Appraisals, Surveys, loss evaluations and expert consultation services. For names of members of the American Society of Consulting Arborists Inc., throughout the country, contact: Executive Director ASCA, 12 Lakeview Ave., Milltown, New Jersey 08850.

Position Wanted

Seeking Opportunity. Western states Consider employment, partnership, term purchase. 31 years old; B.S. Forestry, experience urban, state, federal, private. Present and past six years manager large scale Agriculture. Business. Write to Box 127, Weeds, Trees & Turf, 9800 Detroit Ave., Cleveland, Ohio 44102.

Real Estate

For Sale: Established turf farm 20 miles from Boston, Mass. Phone 617 568-2827.
Mr. Sod Grower!

Business off? Sales down? Building slump causing you to slump too?

HERE IS SOMETHING TO CONSIDER!!

There are hundreds of thousands of old homes in communities with sparse thin lawns because of shade too dense for most grasses. There are also hundreds of thousands of old Merion, Windsor and other type lawns that have become so badly infested with smut and other grass diseases they are hopeless, or at least difficult to cure or control. Most of these old lawns are in well established communities where people want the best and have the means to purchase the best.

Why not go after this lucrative market which is not affected by a building slump, high interest rates or inflation? You can do so by becoming a franchised grower of Warren's A-20 and A-34 Kentucky Bluegrasses and other Warren grasses to be released as patents are issued.

Warren's® A-20 is rated high for over all performance and disease resistance by research organizations doing turfgrass research.

Warren's® A-34 is rated highest for shade tolerance by the same research people.

When you become a Warren Franchise or Associate Grower, you place yourself ahead of your competition. Here is something else to consider ... in 1974, when our competitors were reporting sales off as much as 50%, Warren's Turf Nursery's sales were running ahead of 1973. The reason ... golf courses and athletic institutions all over the northern half of the U. S. A. were installing A-20 on tees, and athletic fields. Architects were writing specs for Warren grasses and owners of old homes were ripping out old lawns and installing A-20 or A-34. All because these people wanted the finest lawn areas available. You too can enjoy this business when you become a Warren Associate Grower.

Warren proprietary grasses are now produced in 15 states and in England, Scotland and France. There are a few territories still available.

Write today for particulars about a Warren Franchise or Associate Grower in your area we will be pleased to consider you for an exclusive Warren Franchise.

WARREN'S TURF NURSERY, INC.
8400 West 111th Street
Polo Pk, Ill. 60464

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For More Details On Back Cover Circle (114) On Reply Card

trimmings

Bogus OSHA inspectors beware! The U. S. Department of Labor alerted employers to persons posing as OSHA inspectors. OSHA boss, John H. Stender, described several con games used by the phony inspectors. “Some will demand on-the-spot payment of penalties for conditions they claim violate OSHA rules,” he said. “Others will point out so-called violations and suggest they can be corrected by a particular tool, machine or piece of equipment. These usually are followed a day or so later by an accomplice who offers to sell the employer the recommended items.” OSHA inspectors carry special Labor Department credentials and if employers doubt the authenticity of an inspector, the identification number and inspector’s name can quickly be verified by telephoning his home office.

University of Maryland scientists were granted a $5,000 cooperative agreement with the U. S. Department of Agriculture to compile and analyze pesticide data. The purpose is to compile information on pesticide efficacy and toxicology so it can be stored and readily retrieved. Dr. Robert Menzer, professor of entomology at the university, is the project leader and William N. Sullivan, Jr., research entomologist, is the Agricultural Research Service representative.

In other USDA grants, Dr. P. K. Biswas, professor of plant and soil science, Tuskegee Institute, Alabama, is the leader of a project continuing investigations on the dormancy and germination behavior of seeds of selected weed species. The grant totals $6,100.


A new 16mm color film produced by the Extension Service at Ohio State University entitled, “Pesticides and You,” presents the story of pesticides in an unbiased, unemotional way. The movie is designed to eliminate confusion and misunderstanding regarding pesticides and the environment. Available on loan for $1.00 service charge from: Extension Film-TV Library, 2120 Tyffe Rd., Columbus, Ohio 43210.

Nearing the endangered species status is the American Elm. Colorado State Forest Service personnel recently sampled 1,309 elms and discovered 866 (66%) infected with Dutch Elm disease. Efficient sanitation measures and the use of insecticides seem the prudent course to buy additional time in hopes that a cure can be developed.

USDA has exempted transplants, if free of soil, from the list of fire ant and Japanese beetle regulations. Bare-root plants will not contribute to insect spread if substantially free of soil. Both ants and beetles lay eggs in soil and spend at least part of their life-cycle underground. Articles still regulated under the imported ant and beetle quarantines include: soil, sod, used mechanized soil moving equipment and plants with roots. Such regulated items must be inspected and certified “pest-free” before being shipped from infested to uninsected areas.

Greatest single challenge facing OSHA is developing health standards to protect workers from on-the-job hazards, said John Stender, head of the administration. OSHA will expand standards covering some 400 health standards within the next three years. Up to seven new health standards may be published by the end of the year.

Those nomad gluttons, the Gypsy Moths, munched their way through 750,000 acres of northeastern woodland this summer. They defoliated 1.7 million acres in 1973. The USDA attributes the decrease to a unique combination of weather conditions, insect virus, parasite control and extensive state, federal and private control programs.