

In Europe, engineering thermoplastics can be expected to continue to rake market share away from metals, despite oil price increases that would seem to hurt hydrocarbon-based plastics, according to a report by Frost & Sullivan, Inc.

The report says, "Steel, aluminum, zinc, copper, and most other metals are more energy expensive on a cost per unit volume basis than are plastics." The 286-page report, entitled "European Market for Engineering Thermoplastics," says, "The competition between engineering thermoplastics and zinc and aluminum diecastings has been won in almost all applications by plastics."

And it adds, "Pending legislation (to lessen automobile weight and improve safety) will also stimulate the use of more thermoplastics in automobiles, in particular." What this leads up to is that European consumption of 13 selected thermoplastics will increase from 0.5 million tons in 1976 to 1.25 million tons in 1981.

HERBICIDES

Devrinol gets label for use on ornamentals

Devrinol, a surface-applied herbicide, has been federal registered for weed control in ornamentals, field-grown nursery stock, liner stock, ground covers, and dichondra. The Stauffer Chemical Co. makes it.

Devrinol is labeled to control eight annual grasses including barnyardgrass, bristly foxtail, and large crabgrass, as well as 12 annual broadleaf weeds, including common purslane, lambsquarter, and redroot pigweed. It can be applied as a broadcast treatment over young nursery stock or as a directed spray to larger stock either as a band or broadcast application. It is recommended on several different container potting soil mixtures.

ARBORISTS

Arborists to meet for week in Florida

The National Arborist Association will hold its annual meeting at the Orlando Hyatt House in Kissimmee, FL, from February 17-21.

The major focus of the meeting will be on electronic data processing for tree service firms, labor rela-

tions, integrated pest management, and safety. As usual, there will be a general session, as well as a concurrent alternate session. The latter is particularly geared for additional members of the management team.

The four days previous to this program, February 13-16, the American Society of Consulting Arborists will convene at the same place.

Topics for the ASCA meeting include working with engineers, assistance to park personnel, trees on the golf course, value of trees from the shade they cast, the skill of arboriculture, casualty loss, appraisals for large trees, and tree injections.

HORTICULTURE

Volunteer program will help gardeners

A group of volunteer gardeners will be spending several winter weekends in classrooms studying the latest developments in watering, seeds, pest management and control, fertilizers, planting, and other gardening practices. Their goal: to become certified "Master Gar-

deners" and help community and family gardeners next spring.

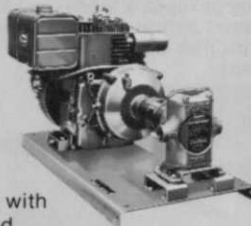
This pilot program through the University of California's Cooperative Extension Service is operating in Riverside and Sacramento counties and plans for expansion to other areas are being developed. The program will identify and select local residents with experience in gardening and put them through a training program with the help of Cooperative Extension specialists and advisors.

These citizen volunteers will receive certification as "Master Gardeners" when they complete their training, and will become a part of Cooperative Extension's effort to help backyard, family, and community gardeners.

Master Gardeners have been used in 20 other states to be advisors at gardening clinics set up in libraries, shopping centers, or fairs. They also have become coordinators and teachers at community gardens; managed local Cooperative Extension public service telephone systems; and have written horticulture service announcements and booklets distributed through Cooperative Extension offices.



Model 5210 C



Also available with gas engine and mounting base.

For both Volume and Pressure

Use Hypro series 5200 Big Twin piston pumps.

Here's a rugged two-cylinder piston pump that will deliver up to 10 gpm at 400 psi (600 rpm) for tree spraying, area spraying, fogging, or termite pretreating.

Handles many kinds of weed and pest control chemicals including wettable powder suspensions.

Available with solid shaft or with hollow shaft for direct tractor, truck, or jeep PTO mounting.

FEATURES:

Leather or impregnated fabric piston cups.
Heavy duty ball bearings.

Suction & discharge ports tapped 3/4" NPT.



A DIVISION OF LEAR SIEGLER, INC.

347 Fifth Avenue NW, St. Paul, Minnesota 55112

Circle 109 on free information card

istence of these various associations, I have to admit that our AAN activities were primarily aimed at the needs of the wholesale nursery grower. Now it is my privilege as Executive Vice President to meet at least twice each year for many hours with those who govern these associations. In addition, at least one of our staff members who is responsible for administration of the association involved also attends these meetings which are really brainstorming sessions designed to develop the needs and ways to fill them of each segment represented. Every staff member meets with the AAN Board of Directors because that association in the final analysis represents all of the segments which operate separately in the so-called "family" of associations administered by our staff. In this way the "parent" is continually aware of the problems and needs of other members of the "family" and, as in any family, when a special crisis develops with one member, each of the others draws

together using the assets of all to answer the need.

Over the years very fine organizations have been developed, representing other branches of this great industry. You mentioned the National Arborist Association, the Professional Grounds Management Society and even the brand new Professional Lawn Care Association of America in your Viewpoint article. These and others are doing a wonderful job of representing the needs of each segment of this environmental industry. It is our privilege through the Landscape Industry Advisory Committee to work closely with most of them, and we highly value the experience. Certainly we have learned that the American Association of Nurserymen does not have all of the answers nor is it capable of relating to all of the problems of this rapidly becoming vast industry. We have learned that, in addition to serving those organizations that are our direct responsibility, we can sometimes help a great

deal with areas of concern to others. We stand ready to do that and proud to be able.

We appreciate your suggestion that members of LIAC cooperate together in every way possible, and I am sure, speaking for all of us, we intend to do just that. Based on the obvious will of this industry, each of the managers of the various groups involved, I think, carries a mandate to do everything possible for the segment of this industry he represents, protecting its separateness, but dedicated to accomplishing our overall goals with the least possible investment of association dollars required from our members.

There is very great strength in our separateness, and there is very great sense in our togetherness. I think, along with the industry we represent, the management of each association is learning that lesson well.

Robert F. Lederer
Executive Vice President
American Association of
Nurserymen

YEAR 'ROUND WORKHORSE...



lawn genie®

72" PTO Model

THE PICK-UP MOWER



Mow smoothly and pick up clippings in one pass! The rugged, versatile Lawn Genie thatches lawns, verti-cuts greens, tees and fairways, sweeps leaves, wades through high weeds and empties easily from the tractor. Change to thatching knives or replace blades in seconds with M-C's patented spring loaded hangers! It's the three season pick-up mower that cleans, mows and sweeps.

36", 48", 60" and 72" CUTTING WIDTHS—
WITH OR WITHOUT LOADING HOPPER



Mathews Company

BOX 70, CRYSTAL LAKE, IL 60014, PHONE: 815-459-2210

Circle 128 on free information card

Oak spit spot causes

In the November issue Dr. Funk was asked a question about the cause of oak spit spot and he asked for suggestions from readers as to the cause of this disease.

I have observed this problem in newly transplanted scarlet oaks on the Purdue University campus in West Lafayette, IN. During the summer following the late fall planting of these 2-3 in. caliper trees, wet spots (sometimes foamy) began to appear at random places on the trunks. Almost always there was a small fissure or crack in the bark at the top, center of the wet spot. Using a sharp knife, I cut a small (1 in.) square of bark out of the trunk at the top of the wet area and almost always found a small white flat headed borer. After removing the square of bark and the borer, I covered the wound with a good wound dressing and to my knowledge the trees are alive and healthy today (7 years later).

James Ross, Technical Foreman
City of Reno Park Div.
Reno, Nevada



DON'T CUT OUT QUALITY.

DO IT RIGHT, WITH STANLEY.

Quality, by our standard, is something which goes a lot further than making tools. To Stanley, it means: a full line of tree trimmers for every job; the best warranty in the business; complete parts backup; and distributors to help you anywhere in the country. It's also the efficiency, safety and dependability of hydraulic power. We don't trim on anything so that you're able to do your trimming faster. Stanley Hydraulic Tools: 3810 S.E. Naef Road, Milwaukie, Oregon 97222. Phone (503) 659-5660. Telex 360771. Write or call.

Circle 148 on free information card

MAY 1979/WEEDS TREES & TURF 65



the bronson concern.
283 The Water Tower
Portland, Oregon 97201
222-3546 area 503

21 August 1979

Mr. Dick Gore
National Advertising Sales Manager
Harvest Publishing Company
#312, Maple Center One Building
3019 Maple Drive
Atlanta, Georgia 30305

Dear Dick:

I'm writing to express our appreciation to your publication, Weeds, Trees & Turf, for its truly outstanding performance for our client Stanley Hydraulic Tools.

Effective 15 February of this year, our 1/3 page B&W ad for Stanley's line of tree-trimming tools had drawn more inquiries (771 in eleven months) than any other of the company's ads in other publications. In fact, the next closest number of inquiries were drawn by a 4-color spread (528)!

Needless to say, we're impressed, and grateful, and we can anticipate Weeds, Trees & Turf becoming an ever-stronger part of Stanley Hydraulic's total promotional program.

Best regards,

Ingrid Louiselle
Media Director

IL/hs

cc: Mr. Bob Mierow

771 inquiries in eleven months.

This Stanley one-third page in Weeds Trees & Turf pulled "more inquiries than any other publication . . . Even more than a four-color spread elsewhere"

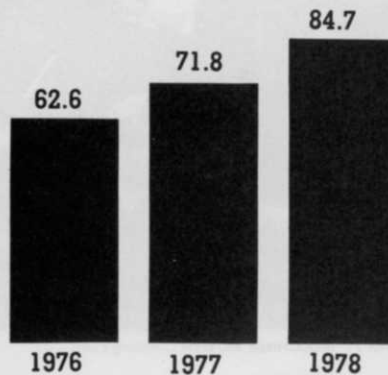
—Ingrid Louiselle, the bronson concern

Buyers who track advertising performance know Weeds Trees & Turf magazine is highly productive . . . and we think productivity is a mighty important testimonial for media decisions.

Come grow with us. WEEDS TREES & TURF

Average reader inquiries per display ad placed in WT&T for years shown.

Actual represents 26% gain 1976-1977



WT&T

PRODUCTS

Dynamic Industries, Inc. has five models of its Swinger loader line, ranging from the 110 with an SAE operating capacity of 1,175 pounds to the 320 with an SAE operating capacity of 3,012 pounds. Model 210 (shown) features a 56.8-horsepower, water-cooled Continental gas engine. It has increased fuel holding, oil pressure and ammeter gauges, load sensing steering, and an optional fourth valve spool for secondary auxiliary hydraulic operation.

All loaders have 20 degree front-



rear frame oscillation and four-wheel hydrostatic drive for safe, stable operation over rough terrain with full loads. Total 80 degree articulated steering aids maneuverability in tight quarters.

Circle 712 on free information card

Lightweight Port-A-Lab, made by Maier Tree Care Service Center Corp., provides many uses for arborists, park superintendents, turf builders, grounds maintenance supervisors, golf courses, and nurserymen. Carry it in the front or back seat of your car or pickup. Some of the many items it contains: a microscope, microscope light, dissecting block, magnifying glass, soluble salt meter with test jar, four soil sample collection jars, six insect specimen collection vials, soil pH indicator, 100-foot lawn measuring tape, artisan trunk diameter tape,



inspection binoculars, sub-soil moisture tester and tester probe, soil thermometer, pruning shears, dissecting knives and probes, reference book, soil sample extractor, styrofoam block for probing instruments, drawer for extras, and a master padlock.

Circle 707 on free information card



With 71" SIDE DISCHARGE MOWER in Heavy, Wet Grass.



With 71" MULCHING MOWER Climbing Curb.



**30 H.P.
DEUTZ
DIESEL**

New... AND AVAILABLE NOW!

BUNTON

Diesel TRACTOR

**WITH 61" and 71"
FRONT MOUNTED
ROTARY MOWERS**

SIDE DISCHARGE or MULCHING TYPE

For Information or Nearest Distributor
Write or Call

BUNTON CO.

P.O. Box 33247

Louisville, Kentucky 40232 U.S.A.

Phone: 502/459-3810

Telex 204-340

JANUARY 1980, Good until April 1980

Weeds Trees & Turf *FREE INFORMATION*

Want free information on products and services advertised and featured in this issue? Use this card. Circle the numbers on which you want information and mail today.

101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220
221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248	249	250	700	701	702	703	704	705	706	707	708	709
710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729

NAME _____ TITLE _____

COMPANY _____ TELEPHONE _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

Do you want to receive Weeds Trees & Turf? YES NO

Are you interested in receiving or continuing to receive WEEDS TREES & TURF? If you are, complete all the information on this card and mail today.

DATE _____ SIGNATURE _____

1. What is your primary business/industry? (Check one only)

- | | |
|---|---|
| <input type="checkbox"/> Rights-of-Way Maintenance (highway, utility, railroad) | <input type="checkbox"/> Airport Grounds Management |
| <input type="checkbox"/> Commercial/industrial contract chemical applicator | <input type="checkbox"/> Military Installation Management |
| <input type="checkbox"/> Aerial applicator | <input type="checkbox"/> Land Reclamation/Erosion Control Specialists |
| <input type="checkbox"/> Extension Services/Federal or State Regulatory Agency | <input type="checkbox"/> Lawn Care Ccompany |
| <input type="checkbox"/> Parks or Grounds Management (Federal, State, Municipal) Forestry | <input type="checkbox"/> Lawn Maintenance Company |
| <input type="checkbox"/> Golf Course Management | <input type="checkbox"/> Landscape Contractor |
| <input type="checkbox"/> Cemetery Grounds Maintenance | <input type="checkbox"/> Landscape Architect |
| <input type="checkbox"/> Industrial Park Grounds Maintenance | <input type="checkbox"/> Sod Grower |
| <input type="checkbox"/> Shopping Centers Grounds Maintenance | <input type="checkbox"/> Seed Grower |
| <input type="checkbox"/> Hospital, Nursing Home (grounds maintenance) | <input type="checkbox"/> Tree Service Company/Arborist |
| <input type="checkbox"/> School, College and University (grounds maintenance) | <input type="checkbox"/> Wholesale nursery |
| <input type="checkbox"/> Athletic Fields Management | <input type="checkbox"/> Tree Farm |
| | <input type="checkbox"/> Dealer/Distributor |
| | <input type="checkbox"/> Other (Specify) _____ |

If you are not personally receiving WEEDS TREES & TURF and want your own subscription, circle number 101. Subscription price is \$12.00 per year, U.S. and Canada.



NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES

BUSINESS REPLY MAIL

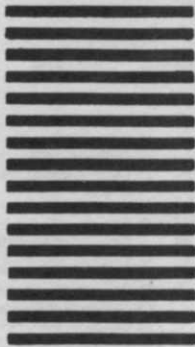
FIRST CLASS PERMIT NO. 2675 CLEVELAND, OHIO

POSTAGE WILL BE PAID BY ADDRESSEE

Attention: Circulation Dept.

Weeds Trees & Turf

9800 Detroit Ave.
Cleveland, Ohio 44102



NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES



NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES

BUSINESS REPLY MAIL
FIRST CLASS PERMIT NO. 665 DULUTH, MINN

POSTAGE WILL BE PAID BY ADDRESSEE



Weeds Trees & Turf

Box 6049

Duluth, Minnesota 55806

Send my personal subscription of Weeds Trees & Turf

NAME _____ TITLE _____

COMPANY _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

SUBSCRIPTION FORM

Signature _____
 1 YEAR (\$12) 2 YEARS (\$22) 3 YEARS (\$30)
 Check here if you want bulk (5 or more) subscription rate information.

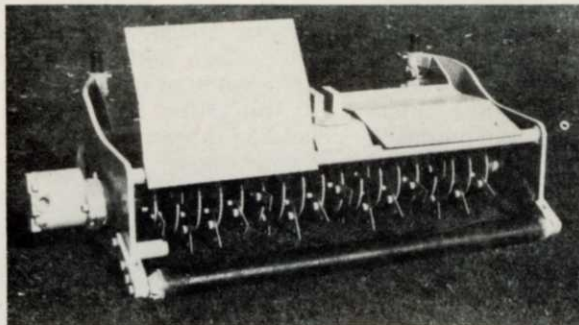
Check Enclosed Bill Me
 1 YEAR FOREIGN (\$15)
 Foreign Air Mail per year (\$39)

1. What is your primary business/industry? (Check one only)

- Rights-of-Way Maintenance (highway, utility, railroad)
- Commercial/Industrial contract chemical applicator
- Aerial applicator
- Extension Services/Federal or State Regulatory Agencies
- Parks or Grounds Management (Federal, State, Municipal) Forestry
- Golf Courses Management
- Cemetery Grounds Maintenance
- Industrial Park Grounds Maintenance
- Shopping Center Grounds Maintenance
- Hospitals, Nursing Homes, (grounds maintenance)
- Schools, Colleges and Universities (grounds maintenance)
- Athletic Field Management
- Airport Grounds Management
- Military Installation Management
- Land Reclamation/Erosion Control Specialists
- Lawn Care Company
- Lawn Maintenance Company
- Landscape Contractor
- Landscape Architect
- Sod Grower
- Seed Grower
- Tree Service Company/Arborist
- Wholesale Nursery
- Tree Farm
- Dealer/Distributor.
- Other (Specify) _____

D

Roseman Mower Corp.'s mowing attachment for verticutting fairways and other thatch areas is interchangeable with both the tractor-mounted and pull type Hydra-Gang mower. It is 30 inches wide and can be positioned with the Hydra-Gang reels in



any combination. High tip speed of the 54 heat-treated reversible blades removes runners without lifting turf. The blades are mounted on 18 spiders on 1 9/16-inch centers. One pin and one bolt holds each blade in place, making replacement easy.

Circle 714 on free information card

Each model of the Weed Eater, Inc. series XR trimmer/edgers is powered by a 2-cycle 26.2cc engine positioned at the top for good balance and handling. Each features solid-state electronic ignition.



Both the XR-50 and XR-70 have the convenient "Tap-N-Go" cutting head which feeds out additional nylon cutting line when tapped on the ground. The XR-90 has a twin-line cutting head which can be replaced with a metal blade for brush cutting.

Circle 711 on free information card

Only a few great grasses made the Super Bowl lineup.

Derby

Turf-Type Perennial Ryegrass WAS ONE OF THEM.

Exceptionally fast germination, rapid development of a deep, strong root system, beautiful dark green color, excellent mowing qualities and fast response to fertilization are a few of the qualities required of a playing field or park turf.

Derby offers them all. That's why it was an integral part of the mixture that produced the top quality turf the nation saw at Super Bowl XIII.

Long known for its ability to produce a marvelous putting surface on winter putting greens in the Southern U.S. as well as for elite permanent turf in the North, Derby has yet other advantages.

It is in continuing good supply and is probably the most modestly priced of the elite turf-type perennial ryegrasses.

DERBY TURF-TYPE PERENNIAL RYEGRASS

Germinates in less than a week under ideal conditions

Mixes nicely with other fine quality turf grasses

Tolerates a wide range of soil types from sandy to heavy clay

Normal mowing height is 1-1/2 inches, but will thrive as low as 3/16"

Derby is registered with the Plant Variety Protection Office (PVPA No. 7500009)



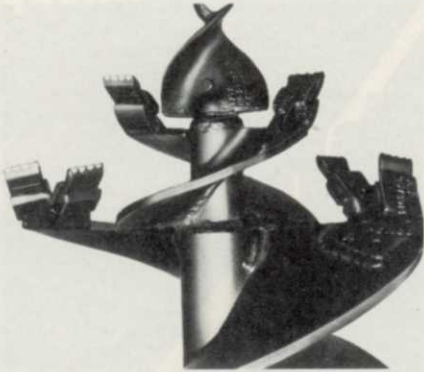
Distributed By

INTERNATIONAL SEEDS, INC.

P.O. Box 168 • Halsey, Oregon 97348
A/C 503 369-2251 • TWX 510/590-0765

Circle 104 on free information card
JANUARY 1980/WEEDES TREES & TURF

Heavy-duty auger XHD from the McMillen Div. of States Engineering Corp. comes in three diameters — 12, 15, and 18 inches. All three sizes feature a 9-inch pilot drill which precuts the hole for the larger



diameter auger. Helicoid flighting, for strength and low weight, is welded to a 3-inch-diameter steel pipe. Replaceable carbide cutting teeth are standard.

Fixed length or variable length extensions are available for providing digging depths to 8 feet. A collar on

the variable length extensions adapts the auger to other digger heads.

Circle 702 on free information card

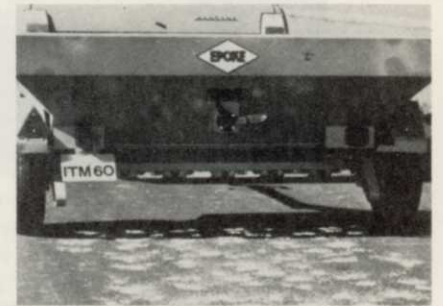
Model 5315 "fluid heat" high pressure washer from Northeast Industries, Inc. uses its manufacturer's vertical heat coil and burner design to provide 185 degree F. operating temperature for cleaning at a total output of 1.5 gpm. The lightweight gun and hose reduce operator fatigue and the



metered detergent system helps you save on application.

Circle 703 on free information card

The Epoke TM 60 automatic spreader for ice and snow control has traction drive — no engine and no hydraulics. The Thomsen Products, Inc. equipment lays a uniform pattern on every pass, regardless of wind, terrain, speed, or operator technique. A flow control handle regulates the amount of material to be spread by adjusting the tension of the holding springs. That amount will be



spread, no matter what the speed. The TM 60 weighs 475 pounds, holds .7 cubic yards, and is 74 inches wide. The TM 35 weighs 310 pounds, holds .4 cubic yards, and is 44 inches wide.

Circle 713 on free information card

Snowco Utility Trailers

...now even more versatile!



Ideal for hauling grounds maintenance equipment, golf cars and other bulky, hard-to-handle items, the proven Snowco line includes eight flatbed trailers with loading ramps or tilt decks, plus a box bed trailer with tailgate.

The design of the popular ramp loading trailers—with perforated steel decks—has been improved for increased versatility. Three models are offered with capacities of 1,150 and 2,100 pounds.

Five tilt trailers with perforated steel decks are offered with capacities of 1,000 to 3,500 pounds.

The steel box bed trailer—capacity 1,200 pounds, is available with an optional canvas or fiberglass cover.



Snowco

Division of Beatrice Foods Co.
4386 McKinley, Omaha, Nebraska 68112

Please send Utility Trailer information.

Name _____

Organization _____

Address _____

Phone _____

City _____ State _____ Zip _____

Circle 139 on free information card

CLASSIFIEDS

When answering ads where box number only is given, please address as follows: Box number, c/o Weeds Trees and Turf, Dorothy Lowe, Box 6951, Cleveland, Ohio 44101.

Rates: All classifications 65¢ per word. Box number, \$1. All classified ads must be received by Publisher the 5th of the month preceding publication date and be accompanied by cash or money order covering full payment. Mail ad copy to: Dorothy Lowe, Weeds, Trees & Turf, P.O. Box 6951, Cleveland, Ohio 44101.

USED EQUIPMENT

HI-RANGER 54' and other aerial buckets. 2 Asplundh brush chippers, Prentice hyd. loader, chipper truck, John Bean 20 g.p.m. sprayer, 4 & 9 ton tag-along trailer. Allied Enterprises, Inc., W204 N11509 Golden-dale Rd., Germantown, Wi. 53022. Phone 414 255-6161.

HI-RANGERS AERIAL BASKETS 65', 57', 53'. Skyworkers aerial baskets 65', 50', 40'. Vermeer stump cutter 1560, 6. Vermeer tree spade 66, TS 44. Asplundh bucket and brush chippers. Bean sprayer, 9 ton trailer. Parkway Tree Service, 12026 W. Cherry, Wauwatosa, Wisc. 53226. 414 257-1555.

BRUSH CHIPPERS, used Asplundhs, Hydro-Axs and bucket trucks. Lease or for sale. Large inventory available. Call or write P. C. Gould Sales Company, Plains Road, Essex, Conn. 06426. 203 767-1636.

FOR SALE: 10-1977 Chevy one-ton trucks, 750 gal. spray tanks, R & M 3L4 pump, electric hose reels, spray hose, ready to spray. Phone 513 845-0631.

STAINLESS STEEL COMBINE that rolls, aerates, applies seed plus liquid and granular chemicals. Call 301 987-5901.

FOR SALE: 1970 International tandem, rear mount Barko 60 loader, new rubber, steel bed, newer engine, many new parts. \$11,950.00. 312 354-1181.

1965 F800 FORD, 361-V8, 5 speed with 14' steel platform deck, with 1968 "G" OBC Prentice log loader. Good condition. Call 914 561-3490.

ARLO TELESCOPIC CRANE 100 ft. mounted on 1967 Ford 700. New cables powered by Miller Welder. All mint condition. \$10,000. Queens Tree Service, Queens, N.Y. 212 849-5140 after 6 P.M.

1976 DITCH WITCH R-100 trencher w/6 way back fill blade. Option laser attachment for placing drain tile. This machine is in excellent condition, only 480 hours. Call 219 879-3606.

1977 PRINCETON self-propelled sod har-vester, diesel engine, low hours, \$25,-000.00. 402 624-6385.

SEEDS

SOD QUALITY Seeds: Adelphi, Glade, Cheri, Nugget, Merion, Fylking, Majestic, Baron & Touchdown bluegrasses, also fine fescues, Manhattan ryegrass. Custom mixing available. Michigan State Seed, Grand Ledge, Michigan 48837. Phone 517 627-2164.

LAWN SEED. Wholesale. Full line of top quality grasses. Improved bluegrass varieties, fine fescues and fine bladed ryegrasses. We specialize in custom mixing. Oliger Seed Company, 2705 Wingate Avenue, Akron, Ohio 44314. Call collect 216 753-2259.

TURF GRASS SEEDS. All improved varieties suitable for Canadian conditions, custom mixtures, and Prill-On coated seeds. Oseco, Inc., P.O. Box 219, Brampton, Ontario, Canada, L6V 2L2. Phone 416 846-5080.

HELP WANTED

POSITION AVAILABLE coordinating sod growing and sales on two farms; some travel; southern U.S.; background in horticulture or agronomy. Salary plus bonus. Please send complete resume to Box 231, Weeds, Trees and Turf, Box 6951, Cleveland, Ohio 44101.

CHEMICAL LAWN CARE company needs working foreman with at least three years experience in turf management including supervision, sales,

customer and employee relations. Must have mechanical background. 214 690-1900. Lawn Doctor, P.O. Box 30121, Dallas, TX 75230.

TREE CREW LEADERS and Tree Trimmers, qualified, to do utility line clearing needed in our Mountain States Division and other areas. Crew leader applicants must have good record of successful crew operation. Send letter showing qualifications and references with address and phone number to: Personnel Director, Wright Tree Service, Inc., P.O. Box 1718, Des Moines, Iowa 50306. An equal opportunity employer.

LANDSCAPE CONSTRUCTION and maintenance supervisor wanted. Chicago area firm has openings with responsibilities and salary commensurate with experience and abilities. Send resume and salary requirements to Martin Landscaping Company, 209 Main St., Prairie View, IL 60069. 312 634-1660.

TURF SPECIALIST/MANAGER TRAINEE positions open at expanding chemical lawn and shrub care company in fast growing Houston, Texas. Tremendous opportunity for those having experience with national or regional lawn care companies, or knowledge of turfgrass and ornamental plants. The right people will have unlimited advancement potential. Send complete resume including education, experience and salary history to: Environmental Lawn Care, 7544 Harwin, Houston, Texas 77036 or call collect 713 784-1750.

ONE OF AMERICA'S leading pest control company is looking for salesmen plus salesmanagers with a proven track record in selling, "quality not price". Excellent base salary incentive program, car, gas, plus fringe benefits. Write or call Karl Amalia, Director, Sales Development, Big State Pest Control, 1260 Shotwell, Houston, Texas. 713 675-3451. Replies will be held in strictest confidence.

WORKING FIELD FOREMAN with knowledge of landscape business. Must take charge of complete operation and crews. Good business background essential. Salary plus bonus negotiable. Resume and salary requirements to Bluemel's Landscape Service, 4930 West Loomis Road, Milwaukee, Wisconsin 53220.

DO TO RAPID EXPANSION the Excelawn Corporation of America is seeking qualified individuals to fill full time position which are currently open in production, sales and service areas in Chicago, Illinois, Indianapolis, Indiana and Louisville, Kentucky. A successful applicant should have a B.S. degree or equivalent education and experience in Agronomy or horticulture with emphasis in turf science. Excelawn currently ranks in the top 5% of all lawn care companies in the U.S. and is committed to continued rapid expansion. We are able to offer to qualified individuals key promotion to supervisory as well as middle or upper management positions in the near future.



TREE TRUCKS

- (22) 1970-72 GMC 5500 series with crew cabs and dump chip boxes. Running condition but all need minor repairs. \$2,300 to \$2,900.
- (15) 1967-70 GMC tree trucks (same as above) All need major repairs.

Value lies in crew cab and chip box, \$1,200 to \$1,600.

- (5) 1972 Int. 1800 series 14' grain, trash or fire wood body dump, \$5,000 each.

OPDYKE'S AUTO SALES
Rt. 309

Colmar, Pa. (Phil. area)

215 822-8300

Salary and benefits commensurate with the individuals qualifications. Send resume in confidence to Excelawn Corporation of America, Corporate Headquarters, P.O. Box 372, Crestwood, Kentucky 40014, Attn: Ernest Sampson.

LAWN CARE MANAGER—We are looking for a take charge person experienced in all aspects of lawn care. This person will supervise daily operations in a rapidly expanding lawn care company in the far western suburbs of Chicago. Applicant should have a B.S. degree or equivalent in one of the Agronomic sciences, a totally professional view of the lawn care industry, and the desire to be an integral part of a professional team. Salary will be commensurate with experience. Please send a complete resume including education, experience, and salary history to: Village Green Limited, 303 Wilson Ave., West Chicago, Illinois 60185, or call collect 312 293-1036.

TREE CARE MANAGER—We are looking for someone experienced in the feeding and spraying of trees and ornamentals. You will handle sales and service in this newly opened division of our established lawn care company. This position offers excellent opportunities for advancement for the dynamic individual. Applicants should have a B.S. degree or equivalent in one of the horticultural sciences. Please send a complete resume including education, experience, and salary history to: Village Green Limited, 303 Wilson Ave., West Chicago, Illinois 60185, or call collect 312 293-1036.

WANTED: Experienced turfgrass

irrigation sales and design personnel. Rapidly growing Toro distributor in Colorado has openings for qualified people. Send resume in confidence to Mr. Folk, L.L. Johnson Distributing Company, 4700 Holly Street, Denver, Colorado 80216.

FOR SALE

TWO LAWN SPRAYING SERVICES in central Illinois 35 miles apart. Over \$110,000 volume, 2 Ford F600 1200 gallon trucks, 1 F600 Ford flatbed, 1 F100 Ford, 2 300 gallon Bean sprayers, 1 200 gallon Bean sprayer, 2000 & 3000 gallon storage tanks on flatbed, 1500 gallon fiberglass storage tanks, misc. equipment. Will sell together or individually. Write Box 235, Weeds Trees & Turf, Box 6951, Cleveland, Ohio 44101.

TREE, SHRUB, Lawn spraying service established 30 years, eastern Idaho growing community. Seasonal: April—November, grossing \$40,000.00. Manager retiring. 3 spray trucks, all accounts. \$70,000.00. Contact main office 206 525-2223. 1115 N. 94th Street, Seattle, Wash. 98103.

BUSINESS OPPORTUNITIES

WANT TO BUY OR SELL a golf course? Exclusively golf course transactions and appraisals. McKay Golf & Country Club Properties, 15553 N. East St., Lansing, Michigan 48906. Phone 517 484-7726.

LEARN LANDSCAPING and the growing of plants at home. Start a satisfying business or hobby. Free booklet. Lifetime Career Schools, Dept. A-821, 2251 Barry Avenue, Los Angeles, Ca. 90064.

WANTED TO BUY

USED BRUSH CHIPPER and stump cutter in good condition. Contact Ray Hallford, Tree Doctor, P.O. Box 30121, Dallas, Texas 75230. 214 690-1945.

WANTED: A TS66 Vermeer mounted on truck in workable condition. Send price quote with particulars to: LDC Houston, P.O. Box 42062, Houston, TX 77042, Attn: Ron Smith.

WANTED: Used older truck and hydraulic loader, good condition. 303 623-2658.

BROUWER SOD HARVESTER — Lawns By Murphy, 2715 N. W. 69th, Oklahoma City, Oklahoma 73116.

WANTED: Brouwer sod harvester. Tony Heritz Sod Farm, 414 425-6250.

MISCELLANEOUS

KELWAY SOIL pH TESTER, used by professionals everywhere. Direct reading, longlasting, portable, lightweight, no power source. Model HB-2 reads moisture too. Available through local distributors or contact Kel Instruments Co., Inc., Dept. W, P.O. Box 1869, Clifton, N.J. 07015. 201 471-3954.



“Our TORCO sprayers outlasted and outperformed any other spray units we have tried!”

— Tim Shallcross, Jr.
Greenlawn, Inc.



Durability and dependability are the two main reasons that TORCO lawn sprayers have become the industry leader. If your business is suffering from “down time” and high maintenance costs, find out what our customers like Tim Shallcross already know . . .

TORCO means tough!

TORCO Equipment Company • 207 Eiler Ave. • Louisville, Kentucky • 40214
(800) 626-1818 or (502) 366-1415 (collect in Ky)

Circle 140 on free information card

WT&T EVENTS

The current issue of **WEEDS TREES & TURF** carries meeting dates beginning with the following month. To insure that your event is included, please forward it, 90 days in advance, to: **WEEDS TREES & TURF Events, 9800 Detroit Ave., Cleveland, OH 44102.**

Basic Short Course in Horticulture— Brentwood Theater, Veterans Administration, West Los Angeles, CA, **Feb. 5, 12, and 19;** Diamond Bar Country Club, Diamond Bar, CA, **Feb. 6, 13, and 20;** UC Cooperative Extension Office, San Bernardino, CA, **Feb. 7, 14 and 21.** Contact Ed McNeill, Registration Coordinator, Horticultural Education Fund, 1000 Concha St., Altadena, CA 91001, 213-798-1715.

Annual Turf & Landscape Conference, Tappan Zee Inn, Mountain View Ave., Nyack, NY, **Jan. 30.** Contact: Frank Claps, 136 Laurel Ave., Larchmont, NY 10538, 914-834-6846.

16th Turfgrass and Environmental Landscape Exposition, San Mateo County Fairgrounds, San Mateo, CA, **Jan. 30-31.** Contact Emory Hunter, Chairman, NCTC, P.O. Box 268, Lafayette, CA 94549.

Virginia Turfgrass Conference, Fort Magruder Inn, Williamsburg, VA, **Jan. 30-31.** Contact: J.F. Shoulders, Ext. Specialist-Turf, College of Agriculture and Life Sciences, Virginia Polytechnic and State University, Blacksburg, VA 24061.

ALCA Annual Meeting and Trade Exhibit, Town and Country Hotel, San Diego, CA, **Feb. 3-8.** Contact: Associated Landscape Contractors of America, 1750 Old Meadow Rd., McLean, VA 22102, 703-821-8611.

United States Golf Association Regional Turf Conferences, Feb. 4 Myrtle Beach Hilton, Myrtle Beach, SC; **Feb. 6** Quality Inn, Cypress Gardens, FL; **Mar. 3** Phoenix Country Club, Phoenix, AZ; **Mar. 6** Holiday Inn West, Billings, MT; **Mar. 7** Broadmoor Golf Club, Seattle, WA; **Mar. 11** Lakeside Country Club, Houston, TX; **Mar. 13** James River Country Club, Virginia Beach, VA; **Mar. 18** Westchester Country Club, Rye, NY; **Mar. 20** Oakmont Country Club,

Pittsburgh, PA. Contact USGA, Far Hills, NJ 07931, 201/766-7822.

Colorado Nurserymen's Association Nursery Conference, Denver Merchandise Mart, 451 East 58th Ave., Denver, CO, **Feb. 4-6.** Contact Cary G. Hall, Executive Secretary, Colorado Nurserymen's Association, 10775 North 65th St., Longmont, Co 80501.

Wastewater Irrigation Course, Denver, CO, **Feb. 5-7.** Contact: The Irrigation Association, 13975 Connecticut Ave., Silver Spring, MD, 20906, 301-871-8188.

National Arborist Association Winter Meeting, Orlando Hyatt House, Orlando, FL, **Feb. 17-21.** Contact: Bob Felix, 3537 Stratford Rd., Wanaquat, NY 11793, 516-221-3082.

Residential Landscape Design Course III, Ohio Agricultural Research and Development Center, Wooster, OH, **Feb. 20-22.** Contact Fred K. Buscher, Area Extension Agent, Horticulture, Area Extension Center, O.A.R.D.C., Wooster, OH 44691, 216/262-8176.

Northwest Pest Control Conference on Integrated Pest Management, Spokane Sheraton Hotel, Spokane, WA, **Feb. 22-25.** Contact: Chris Senske, P.O. Box 6258, Kennewick, WA 99336, 509-783-5461.

First Agri-Turf Irrigation Exposition and Technical Conference, Houston, TX, **Feb. 24-27.** Contact: The Irrigation Association, 13975 Connecticut Ave., Silver Spring, MD, 20906, 301-871-8188.

American Sod Producers Association Winter Meeting, Disney World, Orlando, FL, **Feb. 24-28.** Contact: ASPA, 9th and Minnesota, Hastings, NE, 68901, 402-463-5691.

Pennsylvania Turfgrass Conference, Hershey Motor Lodge and Convention Center, Hershey, PA, **Feb. 26-29.** Contact: Arthur Wick, P.O. Box 362, Sewickley, PA, 15143 or Christine King, Pennsylvania Turfgrass Council, 412 Blanchard St., Bellefonte, PA 16823.

Connecticut Groundskeepers Association, Conference, Hartford Civic Center, Hartford, CT, **Feb. 27.** Contact: Glenn Moore, 141 Hemlock Hill Rd, New Canaan, CT, 06840.

Why Plant Marvel?

Because you feed through foliage and roots at the same time.

Liquid-feeding Plant Marvel NUTRICULTURE formulas, on a regular program, all season long gives far greater control over the health and growth of greens than any other single turf management practice. Here's why.

1. Dissolves instantly and completely in water.
2. Compatible with all fungicides, herbicides and insecticides.
3. Safe. May be applied at any time of the year without burning.
4. Very highly concentrated powder form for maximum economy.
5. Harmless to equipment, won't clog spray or mist nozzles.
6. Easily applied by spray rigs, injectors or any apparatus for application of liquids.
7. Instantly absorbed by turf through leaves and roots.
8. Relieves stress or deficiency condition in turf almost immediately.
9. Reduces turf requirement for water during drought periods.
10. To get greater disease and insect damage resistance.
11. Uniform fertility throughout the root zone area.
12. Encourages stolonization and more blades of grass in each stolon for a thicker, springier turf.



**FREE!
WRITE TODAY!**
Fact-filled 36-page Golf Superintendent Nutriculture brochure.

NAME _____

COMPANY _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

**PLANT MARVEL
LABORATORIES,** Dept. WTT-1
624 West 119th Street
Chicago, IL 60628

Iowa Turfgrass Conference, Des Moines Hilton Inn, Des Moines, IA, **Mar. 3-5**. Contact: Ed Cott, Dept. of Horticulture, Iowa State University, Ames, IA, 50011.

Midwest Turf Conference, Stewart Center, Purdue University, **Mar. 3-5**. Contact: W.H. Daniel, Dept. of Agronomy, Purdue University, W. Lafayette, IN 47907.

12th Annual Professional Turf and Plant Conference, Salisbury Restaurant, Eisenhower Park, East Meadow, Long Island, NY, **Mar. 4**. Contact Waldemar Solovieff, 63 Central Ave., Amityville, NY 11701.

Ninth Vertebrate Pest Conference and ASTM Symposium, Hilton Hotel, Fresno, CA, **Mar. 4-7**. Contact: Jerry Clark, 1220 N. Street, Room A-357, Sacramento, CA 95814.

Canadian Turfgrass 31st Annual Show, Skyline Hotel, Toronto, Canada, **Mar. 9-12**. Contact: Canadian Golf Superintendents Association, 698 Weston Rd., Suite 32, Toronto, Ontario, Canada, M6N 3R3, 416-767-2550.

Northeastern Forest Pest Council Meeting, Holiday Inn Downtown, Portland, ME **Mar. 11-12**. Contact: James Nichols, Bureau of Forestry, 34 Airport Drive, Middletown, PA, 17057.

National Lawn Care Business Conference and Trade Show, Red Carpet Hotel, Milwaukee, WI, **Mar. 16-19**. Contact Lawn Care Conference, Box 1936, Appleton, WI 54913, 414/7332301.

1980 Landscape Industry Show, Long Beach Convention Center, Long Beach, CA, **Apr. 3-4**. Contact: Landscape Industry Show, 3671 W. MacArthur Blvd., Suite 500, Santa Ana, CA 92704.

Garden Symposium, Williamsburg, VA, **Apr. 13-16**. Contact Mrs. Peggy W. Sabol, Registrar, The Colonial Williamsburg Foundation, Williamsburg, VA 23185, 804/229-1000.

New Jersey Recreation and Park Association Annual Conference, Golden Eagle Inn, Cape May, NJ, **Apr. 27-29**. Contact Gary J. Forbes, President, 530 Turnpike, Pompton Plains, NJ 07444

Les Florales Internationales de Montreal, May 17-29. Contact Les Florales Internationales de Montreal, Dommissiare General, 360 Rue St-Jacques, Suite 310, Montreal, Quebec, Canada, H2Y 1P5.

WT&T

ADVERTISERS

Agro-Chem Inc.	57	Mathews Co.	62
American Enka Co.	58,59	Mitts & Merrill Inc.	48
Brouwer Turf Equip. Ltd.	49	Mobile Aerial Towers Inc.	18
Clifford B. Hannay & Sons, Inc.	60	Monsanto Chemical Co.	7
Creative Sales, Inc.	55	North American Plant Breeders	46
Cushman/OMC Lincoln	40,41	Plant Marvel	69
John Deere & Co., Inc.	22,23	Rhone-Poulenc	44,45
Diamond Shamrock	28,29	Ross Daniels.	21,53
Ditch Witch, Div. Charles Machine Works.	14,15	Ryan Turf Equip/OMC Lincoln.	9
Excel Industries.	13	Satoh.	52
F.D. Kees Mfg. Co.	56	Snowco.	66
Foxcroft Dev. Corp.	33	Solo Motors.	47
Hahn Inc.	55	Spraying Systems Co.	53
Howard Price Turf Equip.	71	Stauffer Chemical Co.	38
Hypro Pumps, Div. Lear Siegler	61	Tecumseh Prod. Co.	35
International Seeds, Inc.	65	Tee-2-Green.	cover 2
International Spike	47	Telco Industries.	50
Jacobsen Mfg. Co.	36,37	Toro.	4,5
Lakeshore Supply	25	Tuflex Mfg. Co.	34
Lifetime Career Schools.	18	Vandermolen.	33
Lofts Pedigreed Seed Co.	72	Vermeer.	11
Manhattan Ryegrass Growers Assoc.	43	Weeds Trees & Turf binder.	34
		Briggs & Stratton Corp.	20A

Advertising Sales Offices

ATLANTA
Dick Gore,
National Sales Manager
3091 Maple Drive
Maple Center One Building
Atlanta, GA 30305
404+233-1817.

SEATTLE
Robert A. Mierow
1333 N.W. Norcross
Seattle, WA 98177
206+363-2864

NEW YORK
Brian Harris
757 Third Ave.,
New York, NY 10017
212+421-1350

CHICAGO
Jeff Drezzen
333 N. Michigan Ave.
Chicago, IL 60611.
312+236-9425

Materials and orders for display advertising or classified advertising should be sent to Chris Simco, Harvest Publishing Co., 9800 Detroit Ave., Cleveland, OH 44102. Deadlines are generally the first week of the month prior to publication.