Lightweight, compact sod cutter from Turfco

Small and sturdy makes the new, self-propelled sod cutter from Turfco, a versatile piece of sod equipment. The Model A Turf Cutter is powered by a 3 hp industrial/commercial engine and cuts 12-inch wide and 3/4 inch thick sod at speeds up to 75-fpm. A 5 hp I/C engine and a blade for 1 1/4-inch thick cuts are available as optional items. The unit weighs only 140 pounds and is controlled by a simple, single clutch lever. The well-balanced sod cutter...
GT-77 for Garden Tractors
NOW AVAILABLE W/3 PT. HITCH

CAT. O.
UPON REQUEST

HITCHES
MADE FOR
3 WHEELERS
& ATV'S
MODEL
GT-77
77 LBS.
CAPACITY

MODEL 750
9.6 BU. CAPACITY
Herd
has seeders for
all your needs.
Seven different
models...means
a size to fit
your job.

WRITE FOR
COLOR CATALOG

HERD SEEDER CO., INC., DEPT. 288
P.O. BOX 448, LOGANSPORT, INDIANA 46947

Circle No. 125 on Reader Inquiry Card

includes a sturdy roll cage to protect it
during transport and handling. With
one-third fewer parts than other
powered sod cutters, normal mainte-
nance is fast, easy and simple. It's
small size, along with its removable
handle, allows transport in car trunk
or station wagon.

Circle No. 189 on Reader Inquiry Card

Heavy-duty power
from MD600 Mobile Drill

Hoffco, Inc., traditionally-known in
the power equipment industry for its

Snowco Utility Trailers
...now even more versatile!

Ideal for hauling grounds maintenance equipment, ditchers
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 versa-
tility. Three models are offered with capacities of 1,150 to
4,200 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.

Please send Utility Trailer information.

Name _____________________
Organization _____________________
Address _____________________
Phone _____________________
City _____________________ State _____________________ Zip _____________________

Circle No. 166 on Reader Inquiry Card

© 1984 Snowco
For fastest response, use the peel-off label from the front cover.

MY PRIMARY BUSINESS AT THIS LOCATION IS:
(PLEASE CHECK ONE ONLY IN EITHER A, B OR C)

A. LANDSCAPING/GROUND CARE AT ONE OF THE FOLLOWING TYPES OF FACILITIES:

<p>| | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>0005</td>
<td>Golf courses</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0010</td>
<td>Sports complexes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0015</td>
<td>Parks</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0020</td>
<td>Rights-of-way maintenance for highways, railroads &amp; utilities</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0025</td>
<td>Schools, colleges &amp; universities</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0030</td>
<td>Industrial &amp; office parks/plants</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0045</td>
<td>Condominiums/apartments/housing developments/hotels/resorts</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0050</td>
<td>Cemeteries/memorial gardens</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0060</td>
<td>Military installations &amp; prisons</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0065</td>
<td>Airports</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Other type of facility (please specify)

B. CONTRACTORS/SERVICE COMPANIES/CONSULTANTS:

<p>| | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>0105</td>
<td>Landscape contractors (installation &amp; maintenance)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0110</td>
<td>Lawn care service companies</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0125</td>
<td>Landscape architects</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0135</td>
<td>Extension agents/consultants for horticulture</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Other contractor or service (please specify)

C. SUPPLIERS:

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>0205</td>
<td>Sod growers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0210</td>
<td>Dealers, Distributors</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Other supplier (please specify)

Approximately how many acres of vegetation do you maintain or manage? ____________

What is your title? (please specify) ____________

I would like to receive (continue receiving) WEEDS TREES & TURF each month: YES □ NO □

Your Signature: __________________________ Date: ____________
design expertise, has created a highly expandable piece of equipment, the MD600 Mobile Drill unit. It has heavy duty looks and heavy duty power, yet it moves easily over any terrain on 15 inch wheels.

An extended tubular handle with grip give control for mowing or operation. The MD600 mobile unit is a one-man operation, designed to do the work of a two-man drill.

You won't need to disassemble for transporting in a van or pickup. It's especially constructed to give ease and efficiency in disassembling and changing augers and bits. A locking mechanism holds the unit securely in place for changing augers and bits.

Hoffco's MD600 Mobile Drill unit is a natural for fertilizing trees. The two-inch or four-inch Hoffco augers are the perfect size to drill small holes needed for the fertilization process.

The manufacturer recommends its two-inch and 10 inch standard augers for digging in ordinary soil conditions. For soil such as caliche, hardpan or sandstone, the six-inch to 10-inch heavy duty auger is recommended, along with Hoffco's fast cutting Pengo bits. Another "plus" feature is a new Hoffco invention — a shock absorbing unit to relieve mechanical stress as it absorbs jolts and/or cushions damaging shock loads.

Circle No. 190 on Reader Inquiry Card

Walk, ride rotaries expand Jacobsen line

A new series of rotary mowers that operators can walk behind or ride expands the turf care line of Jacobsen Division of Textron Inc.

Named the Commercial 32, 36 or 50, for inches of swath cut, the new line is aimed at turf situations where neither smaller walk-behind nor mid-size riding rotary mowers lend themselves. The rotaries are ideal for landscape contractors, lawncare services, cemeteries, schoolyards, condos and industrial parks, roadways and similar turf areas that require a combination of high maneuverability and straight line production work.

One key design criterion in developing the new Commercial line was flexibility in customer choice. Not only is a range of cutting widths available, but the machine can also be ordered with 8, 11, 12 or 16 hp gas engines.

Height of cut adjusts from one inch to four inches in 1/2-inch increments by raising the reinforced heavy gauge deck, which includes a guard for trimming around trees.

In addition to a choice of engines, cutting widths and a trailing sulky, a grass catcher is also available to give a more formal look to landscaped areas. Circle No. 191 on Reader Inquiry Card

Now! A complete line of Diazinon products — Emulsifiable Concentrates, Granules or Wettable Powder — with complete labeling for turf and ornamental insect control, available through more than 40 distributors nationwide. Call or write for the distributor nearest you.

Circle No. 157 on Reader Inquiry Card

Walk, ride rotaries expand Jacobsen line

A new series of rotary mowers that operators can walk behind or ride expands the turf care line of Jacobsen Division of Textron Inc.

Named the Commercial 32, 36 or 50, for inches of swath cut, the new line is aimed at turf situations where neither smaller walk-behind nor mid-size riding rotary mowers lend themselves. The rotaries are ideal for landscape contractors, lawncare services, cemeteries, schoolyards, condos and industrial parks, roadways and similar turf areas that require a combination of high maneuverability and straight line production work.

One key design criterion in developing the new Commercial line was flexibility in customer choice. Not only is a range of cutting widths available, but the machine can also be ordered with 8, 11, 12 or 16 hp gas engines.

Height of cut adjusts from one inch to four inches in 1/2-inch increments by raising the reinforced heavy gauge deck, which includes a guard for trimming around trees.

In addition to a choice of engines, cutting widths and a trailing sulky, a grass catcher is also available to give a more formal look to landscaped areas. Circle No. 191 on Reader Inquiry Card

Now! A complete line of Diazinon products — Emulsifiable Concentrates, Granules or Wettable Powder — with complete labeling for turf and ornamental insect control, available through more than 40 distributors nationwide. Call or write for the distributor nearest you.

Circle No. 157 on Reader Inquiry Card

MARCH 1984/WEEDS TREES & TURF

Prentiss Drug & Chemical Co., Inc.
Prentiss Drug & Chemical Co., Inc.
CB 2000, Dept. G, Floral Park, NY 11001 (516)326-1919
15 S. Prospect Ave., PO Box 701, Park Ridge, IL 60068 (312)825-0020
PO Box, 12433, Ft. Worth, TX 76116 (817)738-6042
3609 Shallowford Rd. N.E., Atlanta, GA 30340 (404)458-1055
Also Los Angeles, CA
Prentox* — Registered, Prentiss Drug & Chemical Co., Inc.
APRIL

Fifth Annual Landscape Industry Show, April 4-6. California Landscape Contractors Association, Inc., at the Long Beach Convention Center. For more information contact CLCA, 1419 21st St., Sacramento, CA 95814, (916) 448-CLCA.

University of Florida Turfgrass Field Day and Research Update, April 6. Ft. Lauderdale, FL. For more information contact Dr. Bruce J. Augustin, University of Florida, Agricultural Research and Education Center, 3205 S.W. College Ave., Ft. Lauderdale, FL 33314, (305) 475-8990.

To insure that your event is included, please forward it, 90 days in advance, to: WEEDS TREES & TURF Events, 7500 Old Oak Boulevard, Cleveland, OH 44130.

They do. It's their job to know things first and then pass that information on to you fast. Things like new turf management techniques, effective methods of insect and weed control, what really works...and what won't.

Look familiar?
They should. You've seen them often at turf shows, seminars, conventions, wherever industry news is in the making. They're the editorial and sales management team of WEEDS TREES & TURF. Please meet (seated l. to r.) Ron Kempner, Bruce Shank, Dick Gore, and Maureen Hrehocik; (back row l. to r.) Bob Mierow, Kevin Cooney, Joe Kosempa, and Bob Earley.

There's no grass growing under their feet.
They apologize for not always being in when you call, but great stories are found in the field, not in the office. These pros know the only way to really cover the green industry is to get out and be a part of it. From turf test plots in Oregon to the corridors of our Nation's Capital, they're following leads, surveying markets and interviewing the landscape professionals who make our industry hum. Then, they use their years of experience to pull it all together, analyze it and present it to you in a crisp, easy-to-read and easy-to-use style. That way, you have the information you need to do your job better, faster and more effectively.

The next time you want to know something in the green industry, give them a call. If you can't reach them at the office, don't worry. They'll reach you in the pages of WEEDS TREES & TURF.

Snow said he believes the "ideal" green speed lies between 7.5 and 8.5 feet.

Doug Hawes, USGA Green Section regional director, suggests that superintendents try to find a "middle ground" between the varying opinions of course members on speed. He also recommends gradually increasing green speeds and holding the increase to no more than one foot a year so players can adjust.

With all the attention given speed factors in recent years, Hawes reminds superintendents not to overlook other factors. "Some greens are unfair at any speed," he said.
Don’t forget bromoxynil as 2,4-D substitute

In a recent Government Update column you failed to mention that bromoxynil (Brominal ME4) is a good substitute for 2,4-D in turf. Brominal ME4 is a product of Union Carbide. The turf industry sees and hears about 2,4-D and dicamba (Banvel) but apparently rarely do they receive information about bromoxynil and its use.

Union Carbide should advertise in WT&T about bromoxynil for use in turf for broadleaf weed control. The product is available to the custom applicator and chemical distributors for turf maintenance.

Rupert D. Palmer
Extension Weed Specialist
Texas Agricultural Extension Service
The Texas A&M University System
College Station, TX.

Kudos for Guide

Your October copy of Weeds Trees & Turf, contained an article on fertilizer by Roger Funk and Richard Rathjens.

I am urged to say this article is the most instructive and enlightening reader on fertilizer ever to come into my hands.

Be advised that I have been connected with the upkeep, and even design, of golf courses for many years.

However, I must say I learned more on the subject of fertilizers in Part I than I did in prior short courses in agronomy from two universities.

In my view, your magazine has advanced much in contents and display in the past two years.

George J. Pulver,
Life member of PGA and GCSAA

Proposition is “scary”

Since most of my peers in the 2,4D herbicide business are long ago retired or deceased, I feel compelled to suggest to you that the proposition to “sacrifice” 2,4D (pg. 16, Oct., 1983, Weeds Trees & Turf) to gain regulatory advantage is not only scary, but outright contradictory to the past history. Those of us who were there when the current mess with political control evolved, can attest that sacrificing DDT accomplished nothing and certainly gained no advantage for the industry.

Scientists have long ago agreed, for the most part, that banning DDT has only prohibited the American public from enjoying the advantages of its use. Oh yes, it has filled the pockets of the pseudo-environmentalists who have profiteered substantially with their activities at public expense. Oh, how we could use another Senator Everett Dirksen, for he understood the phonies and the foolish, misled public segments.

No, if you cannot defend 2,4D, then, in fact, you cannot reasonably defend any pesticide on today’s market. Jerry Faulring has good intentions, I’m sure, but he apparently doesn’t know much about the history of the on-going battle with lawyers and antagonists over pesticides. The “self-vested” interested parties have misled and prevailed entirely too much up to now and conceding further ground is ill-advised. 2,4D has as good and justified use record as any.
material used today and we have no substitute after some 35 years of experience.

James O. King
Regal Chemical Co.
Alpharetta, GA

Rationale questioned
I have read with great interest (Drs. B. Rao and T. Mog, authors of "Problem Solvers") your response to the question from Missouri regarding "tree injections" in the September 1983 issue.

C.S.I. is a major supplier to the tree care industry (of systemic implants), and, as you are undoubtedly aware, a supplier to the Davey Tree Expert Co. As such, I am more sensitive to the inconsistencies and lack of rationale that is often used in discussing systemic injections and implants.

Several statements in your response that deserve attention are: 1) "Wounds of any origin are harmful to the tree and should be avoided"; 2) "The smaller the wound, the smaller the chances are of doing permanent damage to or killing the tree"; 3) "Injections/implants should be used only when established treatments fail"; and 4) "My major reservations lie with the materials being injected and the benefits attributed to the injections".

Specifically, I would like to comment on each of the above points:

1. What is your attitude toward pruning cuts and "cosmetic tree surgery"? Certainly such practices involve "wounding the tree" and the apparent benefit of such wounds would seem obvious.

2. The emphasis of "smaller wounds" often "used out of context" by commercial companies promoting devices alleging to utilize "smaller physical wounds". Also, it has been demonstrated over the past 20 years that "smaller is not always safer"...i.e. theoretically you might utilize a hypodermic needle to inject a minute quantity of a "damaging compound" that could cause extensive cambial dieback or demise of the tree. I think instead we should be examining the chemicals being introduced into the tree (and their potential risks); and equally the tolerance of different tree species to withstand such treatments rather than "imply" that 3/16 inch diameter holes are "acceptable", but 3/8 inch are "not acceptable" (note: examples only!)

3. The use of systemic treatments "only when established treatments fail" does not satisfy the applicator utilizing IPM (Integrated Pest Management); nor does it satisfy the "needs" where conventional applications are (a) not environmentally acceptable, or (b) not physically possible.

4. I am in agreement with your "major reservation" regarding chemicals being injected (or implanted). Also, in considering this aspect, we must be able to differentiate between discolored wood and deadwood! Contrary to the opinion of some plant pathologists, certain chemicals can cause discoloration without contributing to cambial dieback.

In summary, injections and implants have been available to (and utilized by) the industry for over 20 years and I believe there is a basis for a more positive response than that which was expressed in your column.

Warren D. Wolfe,
President, Creative Sales, Inc.
Fremont, NE

We welcome your comments for the letter section.
YOUR LABOR costs...

...with Atrinal® - the spray that keeps your shrubs the way you trimmed them.

Just trim once in the spring. Then spray once with Atrinal®.

(Where the growing season is longer, you may want to spray again in early fall.) Now hang up your pruning shears for the rest of the year.

Atrinal systemic growth regulator inhibits apical bud growth, promoting lateral branching for lusher, fuller plants that keep their shape. Atrinal can also be used to suppress flowering and fruit set of ornamental olives and certain other species. And application is safe and easy.

For more information, write for the Atrinal Landscape Maintenance brochure.

Atrinal
Maag Agrochemicals, Inc.
P.O. Box 6430
Kings Highway
Vero Beach, FL 32961-6430
305-567-7506

Atrinal can also be used for nursery and greenhouse crops.

Circle No. 137 on Reader Inquiry Card

MARCH 1984/WEEDS TREES & TURF 129
**BUSINESS OPPORTUNITIES**

**WANT TO BUY OR SELL a golf course?**
Exclusively golf course transactions and appraisals. Ask for our catalog McKay Golf and Country Club Properties, 15553 N. East Street, Lansing, Michigan 48906. Phone (517) 484-7726.

Landscape contracting business in Texas. 2.5 acres on interstate in metro area of 200,000. 200,000 sq. ft. office bldg. 7200 sq. ft. shade house w/ automated irrigation/drip system. 1000 sq. ft. storage. Excellent equipment. Experienced crew. Yearly sales $800,000 plus. Owner retiring. Write WTT Box 340. 3/84

**FOR SALE**

1977 Ford F600, prox. 28,000 miles, new rubber, cab & chassis. 6800 lb. winch front bumper & behind cab, dual ram dump/rails, 2 metal yd. drop boxes, 1 metal drop box w/canopy, all portable. $8,000/best offer. Maintain, Inc., P.O. Box 1711, Beaverton, Oregon 97075, (503) 642-2574. 3/84


120 acre sod farm. 90 acres peat, 30 acres mineral, 60 acres sod ready. All equipment. Bower harvester, forklift, tractors, irrigation, etc. in business 21 years, ready to retire. Will help to finance. Cleveland, Akron, Canton Ohio market. 216-494-2404 after 6 P.M. 3/84

**GREENS AIRE II AERATOR**
Set up with 1/2" & 5/8" tines. Completely rebuilt, ready to go. JACOBS 524 slit-seeder-aerator, excellent condition. THE GREEN GENIE, INC. 317-745-2457. 5/84

**SATAKE 6" SHELLER** — Paddy Hukser — New — Best offer. Contact Milberger Turf Farms Co., P.O. Box 229, Bay City, TX 77414. Call (409) 245-8715.

**GREENSMIX** — New or old cond. Will blend material on job site for you, radius of 700 miles. Large Royer—S.D.I., P.O. Box 2611, Shawnee Mission, Kansas 66201. Phone (913)381-5151.

**USED EQUIPMENT**

**NEW and USED EQUIPMENT**
Hi Ranger and Asplundf Forestry bucket trucks, Asplundh and Chipmore wood chippers, Stump Grinders, Log Splitters, Crane Trucks, Mirk Inc. (219)669-3562, 7629 Chippewa Road, Orrville, Ohio 44667. 3/84

**HYDRO-MULCHERS and STRAW BLOWERS**
New and used. JAMES LINCOLN CORPORATION, 3220 S. Jupiter Rd., Garland, TX 75041. (214)840-2440 (TX), (800)-527-2304(except TX) TF


**HI-RANGERS AERIAL BASKETS 65', 57', and 53'.** Skyworkers aerial baskets 65', 50', 40'. Vermeer stump cutter 1560.6. Vermeer tree spade 66, 74, 44. Asplundh bucket and brush chipper, Bean sprayer, 9 ton trailer. Parkyway Tree Service, 12026 Highway, Dallas, Texas. 3/84

**NEW TREE FERTILIZATION GUN**
Tested on over 300 trees. For Sale — 1980 Brouer 7 gang mower. Hydraulic lift, good condition. $5,500.00, (914) 258-4131.

**HYDROSEEDERS — MULT SPREADERS**
For Sale — 1980 Bower Motorized Rotary Spreader, 4 tires, live front axle, all under 100 hrs. $750.00 each — Turfgrass Company, P.O. Box 618, Troy, Ohio 45373, 1-513-339-3835.

**FOR SALE**
FOR Sale — 1977 ROSEMAN HYDRA-GANG 2486 hours mounted on 1530 Diesel spare unit and parts complete. $10,000.00 for just mowing unit $3,500. Call 319-233-7740.

For Sale — 5/2 Motorized Rotary Spreader, 4 tires, live front axle, all under 100 hrs. $750.00 each — Turfgrass Company, P.O. Box 618, Troy, Ohio 45373, 1-513-339-3835.

**GREENSAIRE II AERATOR.** Set up with 1/2 & 5/8 tines. Completely rebuilt, ready to go. JACOBS 524 slit-seeder-aerator, excellent condition. THE GREEN GENIE, INC. 317-745-2457. 5/84

**SATAKE 6" SHELLER** — Paddy Husker — New — Best offer. Contact Milberger Turf Farms Co., P.O. Box 229, Bay City, TX 77414. Call (409) 245-8715.


**ESTABLISHED WHOLESALE NURSERY.** Serves three Southwest Florida Counties. Private lake, sprinklers, small office/home, 4+ acres. $120,000 plus stock. Call collect Ellen Simoni, Broker-Salesman, Sorrentino Realty, Inc., Realtors, (813) 637-1120; after hours 639-8234. 3/84

**MEYER Z-52 ZOYSIA** — Registered Stock for Sale — Contact Milberger Turf Farms Co., P.O. Box 229, Bay City, TX 77414. Call (409) 245-8715.

**MEYER ZOYSIA** — Pure Meyer Z-52 zoysia sod, big savings on water, bug killers, mowing and fungicide, great service. BEAUTY LAWN ZOYSIA (Cincinnati) (513) 424-2052. 11/84

**FOR SALE** — Established sod farm in beautiful Western Colorado. 170 acres of sod plus equipment and 4 homes. Call (303) 856-7464 or write to Jim at 1268-18 1/2 Road, Fruitia, CO 81521. 7/84

**EQUIPMENT FOR SALE.** Roseman Hydrodrgan Mower mounted on a MF-135. Wheel Roll Irrigation System and irrigation pipe 2" to 8" with mains. Medina Sod Farms, 14349 Burton City Road, Orrville, Ohio 44667. 5/84

**HELP WANTED**

**WANTED — LANDSCAPE SALESMAN.** Residential and commercial. Must be able to design and estimate. Degree in landscape architecture preferred. Benefits and commission. Send resume to Edward’s Tree Service and Landscaping, 49900 Cooper Foster Park Road, Amherst, OH 44001.

3/84