

WHAT MAKES A GRAVELY RUN. AND RUN. AND RUN.

It's the guts of a tractor that make it run. And keep it running.

And no other grounds maintenance tractor has the guts of a Gravelly.

THE STORY OF OUR LIFE.

Beneath a Gravelly's impressive exterior, lies an even more impressive interior. Designed to give each and every Gravelly a long and lively life.

The Gravelly swiftomatic 4-speed transmission is a good example. Through years of performance, it delivers the precise speeds and power you need to do a lot of jobs a lot easier. And a lot better.

You get steady power at its lowest ground speed to handle the muscle jobs like snow removal. You also get a choice of three other speeds for mowing, hauling and other tasks.

HANDLE WITH EASE.

The instant forward and reverse increases its maneuverability, while reducing operator fatigue. The controls at the operating position simplify and speed up operations.

THINGS ARE TOUGH ALL OVER.

Every possible part of a Gravelly is built extra tough to stand up to year after year of hard, demanding work. The transmission housing and four-cycle engine are cast iron. The heavy duty tri-phase air cleaner eliminates excessive engine maintenance cost caused by poor air filtration.

ALL-GEAR DIRECT DRIVE.

The exclusive Gravelly all-gear, direct drive from engine to attachments improves power transmission.

And because it is all-gear, it eliminates belts which are prone to break, slip or wear out.

MORE REASONS OUR CUSTOMERS HAVE GROWN ATTACHED TO US.

A Gravelly 2-wheel tractor operates 6 different mowing attachments alone. Other attachments are available for plowing, cultivating, snow removal and hauling loads. A Gravelly also powers a seeder, sprayer, sweeper, compost shredder, scraper and even a log splitter. Enough to handle just about every kind of grounds maintenance job imaginable.

THE LAST TRACTOR YOU'LL EVER NEED?

In addition to building tractors to last, Gravelly wants its attachments to last, too.

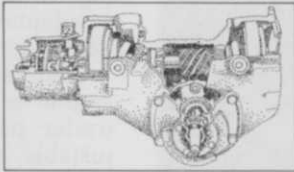
That's why most Gravelly attachments are engineered to be completely compatible.

This protects your investment by making sure that most Gravelly attachments will be compatible with both old and new tractors.

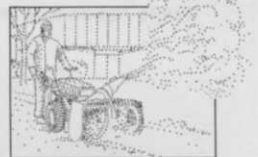
Which brings us to yet another reason our customers have grown so attached to us.

With as well as a Gravelly performs, you won't want to replace it.

With as well as a Gravelly is built, you probably won't have to.



Gravelly's famous all-gear direct drive. A transmission with a lot of teeth in it.



How to keep your tractor from having to go into hibernation for the winter.



GRAVELLY.

Clarke-Gravelly Corporation
A Studebaker Worthington Company

Authorized GSA Federal Supply Schedule
GS-075-02447. HUD Contract Number,
OAH (CO)m-2308.

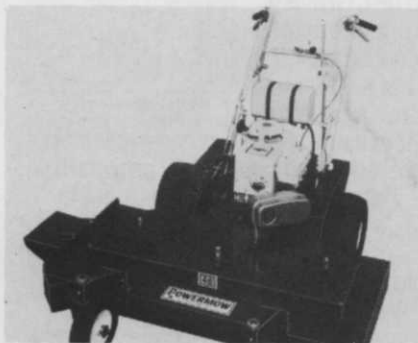
FOR THE GRAVELLY DEALER NEAREST YOU, OR FOR MORE INFORMATION, CALL TOLL-FREE 1-800-528-6050 EXT. 280. OR SIMPLY WRITE TO US AT: GRAVELLY, 0324 GRAVELLY LANE, CLEMMONS, NORTH CAROLINA 27012.

one-piece frame and heavy duty front axle.

The integral one-piece frame has built-in mounting pivot points for backhoe and loader. A balanced design puts 25% of the tractor weight on the front axle, avoiding use of hang-on counterweights. The heavy-duty front axle is constructed of solid steel bar with yoke type spindles. It has a load capacity of 12,500 pounds.

A dual hydraulic pump system and easy-to-use controls provide smooth operation. The backhoe can dig trenches 14 ft. 8 in. deep.

Circle 704 on free information card

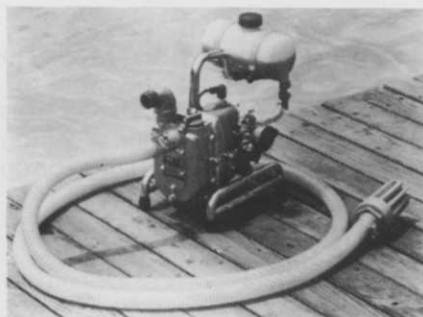


A new 48" heavy-duty Powermow has been introduced by F. D. Kees Manufacturing Company. Designed for both dependability and performance, the precision-engineered Model 48110 Kees Powermow features a powerful 11 h.p. Briggs & Stratton synchrobalanced engine and super low-tone muffler.

The Powermow's high ground speed makes it ideal for a variety of terrains. The operator is assured of positive maneuverability, with brake and power turning control levers on each handle. Other handling features include a fingertip clutch and individual drum-type wheel brakes.

The Model 48110 is equipped with V-flanged front deflectors to help prevent damage to yard decorations and monuments. The baffled frame design provides for clean, safe grass discharge. The engine deck and cutter housing are constructed of heavy gauge steel to provide years of dependable use. The Powermow fits easily into a pickup truck for transportation. An optional riding sulky and large capacity grass catcher are available.

Circle 705 on free information card



The Green Machine portable pump — weighing only 14 lbs. but capable of delivering 32 gallons-per-minute — has been introduced by HMC, Torrance, Calif.

The new pump is designed specifically for marine, construction, home-owner and emergency fire-fighting uses where lightweight, easy storage and maximum portability are required. A patented impeller system combined with a light-but-powerful 2-cycle engine provides a suction head (water) of 20 feet and a total delivery head (water) of 100 ft. Other features include reliable, self-prime starting, forced-air cooling and rugged all-metal frame. Overall dimensions are 11.4 x 7.5 x 13 inches.

Circle 706 on free information card



A new line of hydraulic sprayers has been developed by FMC Corporation, Agricultural Machinery Division, Jonesboro, Ar. The series of sprayers features a new pump available in 25 and 35 GPM models. Features include a one piece valve chamber for easy maintenance, stainless steel valves and non-wearing ceramic cylinder. The sight gauge, pressure gauge and large suction strainer are mounted on the front panel, allowing the operator to check all functions with one glance.

The sprayers feature 300 gallon hexagonally shaped fiberglass tanks

that rest on channels welded into the box type frame. Spring tension straps hold the tank in place and a well surrounds the large filler opening to contain any liquid that is accidentally spilled. The tank is vertically cross-baffled.

The sprayers are available in engine or PTO models and with a trailer package. There are an adjustable height drawbar with ball hitch and high flotation wheels and tires. The sprayer is offered with a 28 or 40 foot stainless steel boom.

Optional equipment offered by FMC includes rollers attached to the frame of the sprayer for easy mounting or de-mounting in a pickup truck. Other accessories offered are hose, hose reels, guns and air blast attachments.

Circle 707 on free information card



Grasshopper offers an all new 52" mower deck width, complete with pneumatic tires on the gauge wheels. Hydrostatically-powered drive wheels are now available with large flotation tires. The blade-activating clutch assembly has been moved to the operator's side for convenience and more positive engagement. A 16 hp fully-balanced Kohler engine, with hourmeter, is available to maintain Grasshopper's power-to-cutting-width ratio. The hour meter is optional on the original 12 hp engine which is still available for the 44" or 52" mower deck.

Quick mower deck removal and snowthrower installation is made easy with telescoping drive-shaft plus two-pin deck to mower attachment. A high back seat of sturdy metal frame construction places the operator directly above drive wheels for stability and added traction, as well as a totally unobstructed view of the mower deck.

Circle 708 on free information card

GREEN INDUSTRY NEWS

Continued from page 12

as Nudrin by Shell Chemical Co., San Ramon, Calif.

Methyl bromide, a fumigant for soil and nursery stock, marketed by Great Lakes Chemical Corp., West Lafayette, Ind., as Bromo-O-Gas and Terr-O-Gas, and by Dow Chemical Co. and others.

Paraquat, a herbicide for non-crop and industrial weed control around shade trees and ornamentals, marketed by Chevron Chemical Co., San Francisco.

Picloram, a herbicide sold for non-crop use in brush control and for utility and other rights-of-way, marketed by Dow Chemical Co. as Tordon.

PESTICIDES

ICI is studying cause of clabber

ICI Americas Inc. has spent two years investigating the cause of clabber in aerial applications of pesticides. Clabber, which tends to be sticky and stream from spray nozzles, rather than spraying as a fine mist with even distribution, occurs in an "invert emulsion".

In a good sprayable emulsion, or an even distribution of water-in-oil, the microscopic droplets of oil are completely surrounded by water. The oil droplets are shielded from touching one another by the water. Because of this, the whole mixture acts just about like water.

In an invert emulsion, the water droplets are coated with oil. The water droplets are prevented from touching one another, and the mixture acts more like an oil.

ICI Americas offers a few simple rules for preventing clabber:

—Store concentrate in a cool, dry place. The lower the temperature, the longer the concentrate will last before it becomes useless for spraying.

—Protect the pesticide containers from exposure to water. If water enters a container use the contents as soon as possible. Check

Continued on page 104



**Heals
wounds;
prevents
decay**

Cabot's Tree Healing Paint is a carefully prepared bituminous paint for protecting live wood and preventing decay. Leading arborists and foresters have been using it for almost half a century. Here are the reasons why:

- ideal for trees, shrubbery, etc.; seals, heals wounds, cuts, broken limbs, pruning abrasions.
- stimulates growth of new bark
- apply with brush or spray; produces a black, tough, elastic, quick-drying coating.
- excludes moisture; stops rot; prevents evaporation of sap
- may be used in any season

**clip and mail this
coupon today**

Samuel Cabot Inc.

Dept. 358, One Union St.
Boston, Mass. 02108

Ship _____ pints (12 per case) @ \$1.50 each

Ship _____ gallons (4 per case) @ \$7.60

Ship _____ quarts (12 per case) @ \$2.50 each

Pruner's Applicator Jar (4 oz. jar) \$1.10 each

Ship _____ cases (24 Applicator Jars per case) @ \$26.40 per case

Prices f.o.b. Boston less normal trade discounts

Circle 134 on free information card



**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.

STANLEY

Circle 155 on free information card

suspect materials before using to make sure an invert will not form.

—Handle storage drums carefully to avoid drum lining failure and internal rusting, which speeds up aging of the contents.

Follow proper mixing procedures:

—Put water into the mixing tank first according to the recommended mixture ratio. At least 1/2 to 2/3 of the total amount of water must be in the tank before any other additions.

—Make other additions in the following order:

- tank mix adjuvants
- wettable powders or flowables
- water solubles
- emulsifiable concentrates and remaining
- water to flush lines

If clabber does occur, ICI Americas offers the following recommendations:

—Agitate the mix thoroughly. Watch out for a pesticide concentrate layer forming at the bottom of the tank.

—Use chemical tank mix additives, 2-4 pints per 100 gallons of mixture. Do a small scale test before adding to the main spray tank. Tank mix additives include xylene, kerosene, aviation fuel, and AT-PLUS 555 and ATLOX 8916TF (manufactured by ICI Americas).

—Add more water with agitation.

HORTICULTURE

Penn plant variety becomes cover crop

One of six new plant varieties developed within the Ag Experi-

ment Station of The Pennsylvania State University, Tioga deertongue grass has been released as a conservation cover crop. The grass does not, however, compete well with cool season weeds and grasses and should be used on sites where revegetation is difficult and volunteer growth is sparse.

Tioga deertongue grass is more tolerant than most grasses of aluminum toxicity found on acid spoil banks in coal regions. Some lime and fertilizer are needed for deertongue grass to revegetate very acid, toxic, infertile sites. It is low in forage quality, unsuited for livestock.

Tioga deertongue grass was selected and tested by personnel from the Soil Conservation Service of the USDA and Pennsylvania State University.

IN BENTGRASS, IT'S THE ERA of EMERALD!

In days past Golf Superintendents selected Seaside . . . Astoria . . . or Highland because—when it came to bentgrass—that's all that was available.

Then came Penncross. This truly modern variety is a great turf grass. Its only serious challenger is proving to be Emerald (Smaragd variety), the entry developed by Sweden's W. Weibull from a single, superior progeny of Congressional (C-19).

Emerald deserves a second look. Some say it equals, or is better than Penncross in actual use. Here are just a few reasons:

- Exceptional uniformity
- Excellent vigor—more vigorous than Seaside and slightly less vigorous than Penncross
- Disease resistant—no marked susceptibility to common turf diseases or customarily used chemicals
- Highly competitive pricing—superior quality and yet won't destroy a budget

YOU OWE IT TO YOURSELF TO INVESTIGATE

EMERALD

For additional information write:



INTERNATIONAL SEEDS, INC.

Dept. D • P.O. Box 168 • Halsey, Oregon 97348
Telephone (503) 369-2251 • TWX 510/590-0765

Circle 111 on free information card

BUNTON

The Bunton Breed



Introducing the 36 inch cut Bunton Rear Discharge mower. A new design deck allows close trimming on both sides, helps prevent windrows and gives you a clean manicured cut (not that just-cut look). The new variable speed drive gives a wider range of ground speeds. The 3 gallon fuel tank and Hi-Way front caster wheels are standard equipment. This new mower is designed for fine lawns and rough areas. The finger tip control gives the same easy handling and hill-side stability and maneuverability as the other Bunton Self-Propelled models. Also available is a new 52 inch rear discharge mower.

Bunton Co. • 4303 Poplar Level Rd. • Louisville, Kentucky 40213 U.S.A.
Phone 502/459-3810 Telex 204-340

Circle 123 on free information card

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 _____

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 _____

Please check the one item which best describes your primary type of business:

- | | |
|---|---|
| <ul style="list-style-type: none"> 1. Rights-of-Way Maintenance <ul style="list-style-type: none"> <input type="checkbox"/> a. Highway <input type="checkbox"/> b. Utility <input type="checkbox"/> c. Railroad 2. Chemical Applications (vegetation and structural) <ul style="list-style-type: none"> <input type="checkbox"/> a. Commercial/Industrial ground applicators <input type="checkbox"/> b. Aerial Applicators 3. <input type="checkbox"/> Extension Services; Forestry; Federal and State Regulatory Agencies 4. <input type="checkbox"/> Parks and Grounds Maintenance — Federal, State, Municipal (does not include Forestry) 5. <input type="checkbox"/> Golf Courses 6. <input type="checkbox"/> Cemeteries 7. <input type="checkbox"/> Industrial Parks 8. <input type="checkbox"/> Shopping Centers 9. <input type="checkbox"/> Hospitals, Nursing Homes, Schools, Colleges and Universities (Grounds maintenance personnel only) 10. <input type="checkbox"/> Athletic Fields 11. <input type="checkbox"/> Race Tracks | <ul style="list-style-type: none"> 12. <input type="checkbox"/> Airports 13. <input type="checkbox"/> Military Installations 14. <input type="checkbox"/> Grounds or Landscape personnel in businesses not specified above. 15. <input type="checkbox"/> Mine Field Reclamation 16. <input type="checkbox"/> Chemical lawn care companies 17. <input type="checkbox"/> Landscape contractors 18. <input type="checkbox"/> Landscape architects 19. <input type="checkbox"/> Sod Growers 20. <input type="checkbox"/> Seed Growers 21. <input type="checkbox"/> Tree Service Companies/Arborists 22. <input type="checkbox"/> Wholesale nurseries/Tree Farms 23. <input type="checkbox"/> Irrigation and Water Drilling Contractors/Consultants 24. <input type="checkbox"/> Chemical Dealers/Distributors 25. <input type="checkbox"/> Equipment Dealers/Distributors 26. <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 \$10.00 per year, U.S. and Canada.

Keep me informed! Send Weeds Trees & Turf

SUBSCRIPTION FORM

NAME _____ TITLE _____

COMPANY _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

Signature _____ Check Enclosed Bill Me

1 YEAR (\$10) 2 YEARS (\$18) 3 YEARS (\$24) 1 YEAR FOREIGN (\$12)

Check here if you want bulk (5 or more) subscription rate information. Foreign Air Mail per year (\$34)

Please check the one item which best describes your primary type of business:

- | | |
|---|---|
| <ul style="list-style-type: none"> 1. Rights-of-Way Maintenance <ul style="list-style-type: none"> <input type="checkbox"/> a. Highway <input type="checkbox"/> b. Utility <input type="checkbox"/> c. Railroad 2. Chemical Applications (vegetation and structural) <ul style="list-style-type: none"> <input type="checkbox"/> a. Commercial/Industrial ground applicators <input type="checkbox"/> b. Aerial Applicators 3. <input type="checkbox"/> Extension Services; Forestry; Federal and State Regulatory Agencies 4. <input type="checkbox"/> Parks and Grounds Maintenance — Federal, State, Municipal (does not include Forestry) 5. <input type="checkbox"/> Golf Courses 6. <input type="checkbox"/> Cemeteries 7. <input type="checkbox"/> Industrial Parks 8. <input type="checkbox"/> Shopping Centers 9. <input type="checkbox"/> Hospitals, Nursing Homes, Schools, Colleges and Universities (Grounds maintenance personnel only) 10. <input type="checkbox"/> Athletic Fields 11. <input type="checkbox"/> Race Tracks | <ul style="list-style-type: none"> 12. <input type="checkbox"/> Airports 13. <input type="checkbox"/> Military Installations 14. <input type="checkbox"/> Grounds or Landscape personnel in businesses not specified above. 15. <input type="checkbox"/> Mine Field Reclamation 16. <input type="checkbox"/> Chemical lawn care companies 17. <input type="checkbox"/> Landscape contractors 18. <input type="checkbox"/> Landscape architects 19. <input type="checkbox"/> Sod Growers 20. <input type="checkbox"/> Seed Growers 21. <input type="checkbox"/> Tree Service Companies/Arborists 22. <input type="checkbox"/> Wholesale nurseries/Tree Farms 23. <input type="checkbox"/> Irrigation and Water Drilling Contractors/Consultants 24. <input type="checkbox"/> Chemical Dealers/Distributors 25. <input type="checkbox"/> Equipment Dealers/Distributors 26. <input type="checkbox"/> Other (Specify) _____ |
|---|---|

████████████████████
First Class Permit

No. 665

Duluth, Minn.

██
BUSINESS REPLY MAIL

No Postage Stamp Necessary if Mailed in United States

██
Postage will be paid by

Weeds Trees & Turf

Box 6049

Duluth, Minnesota 55806

████████████████████
First Class Permit

No. 665

Duluth, Minn.

██
BUSINESS REPLY MAIL

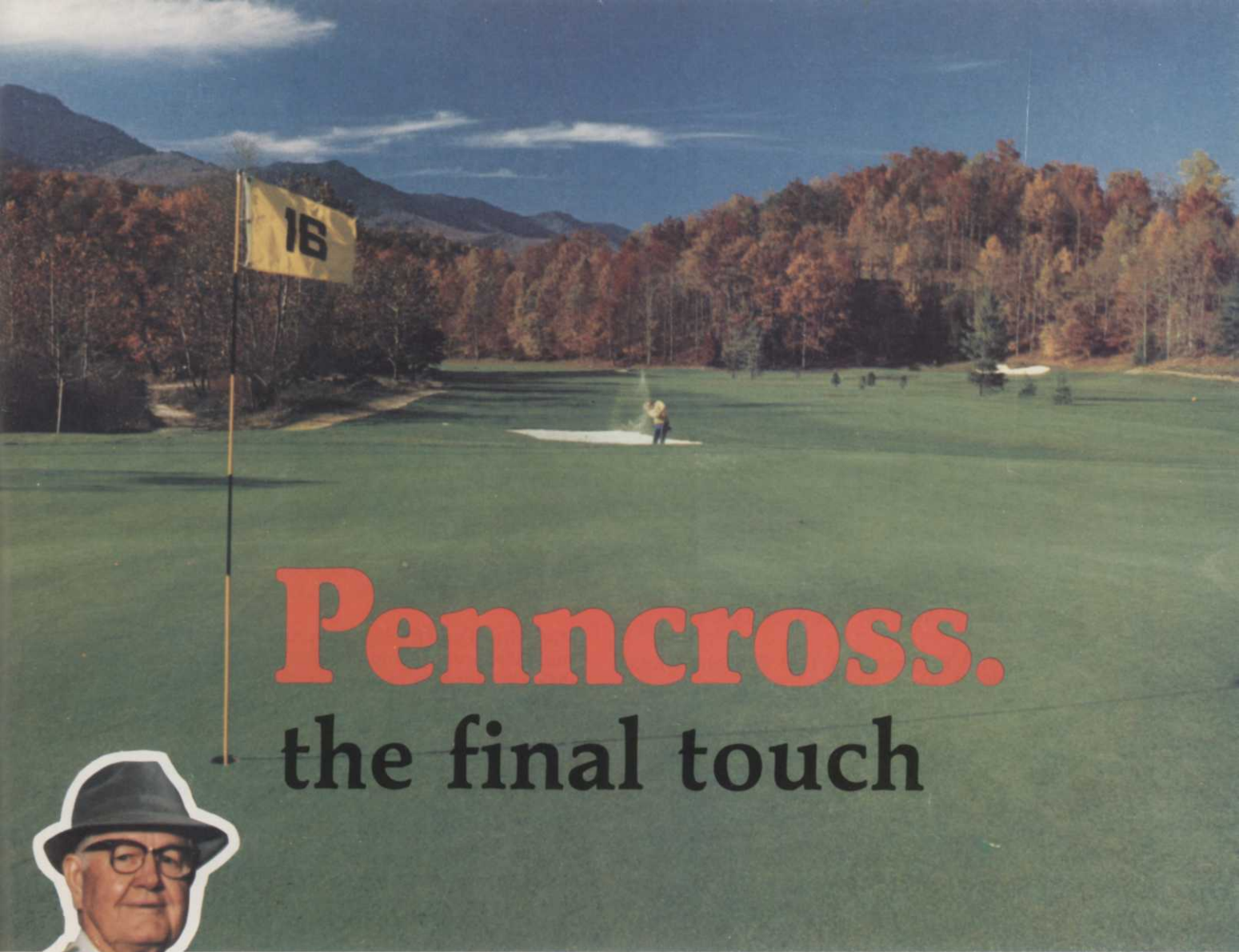
No Postage Stamp Necessary if Mailed in United States

██
Postage will be paid by

Weeds Trees & Turf

Box 6049

Duluth, Minnesota 55806



Penncross. the final touch



BYRON NELSON

MT. MITCHELL GOLF COURSE
Burnsville, North Carolina

Mr. Golf, Byron Nelson on Penncross: "Over the years golf course people have tried many types of grasses for greens. In the last ten years, many of the championship courses have produced near perfect putting greens. In my estimation, this is because of the development and wide spread use of Penncross Bentgrass. With good maintenance, it provides a uniform putting surface that putts true and has good color."

It takes a great deal of time and money to build a golf green. Irrigation, drainage and contour are some of the considerations of a great putting surface. The final touch is the type of grass selected for that putting surface. Penncross Creeping Bentgrass is recognized around the world as a superior grass for golf course use. Penncross is more genetically uniform, disease resistant and it establishes quicker than conventional bents. From Palm Desert, California to Anchorage, Alaska, Penncross has proven its climatic adaptability. For that final touch to a great golf green, look to Penncross!



FREE USE OF FILM

Write to:
Penncross Bentgrass Growers Association
1349 Capital St. N.E.
Salem, Oregon 97303

to reserve the use of USGA's film:
"ABC's of Putting Green Construction"
and/or for your copy of your new greens
maintenance booklet:
Problems or Progress.

TEE • 2 • GREEN CORP.

World-Wide Distributor (816) 842-7825
1212 West Eighth Street Kansas City, Missouri 64101

EVENTS

Midwest Regional Turf Conference, Midwest Regional Turf Foundation, Stewart Center, Purdue University, W. Lafayette, Ind., Mar. 13-15, 317/749-2891.

Japanese Beetle Program Review Forum, Ramada Inn East, Continental Room, 3801 E. Van Buren St., Phoenix, Ariz., Mar. 14., 202/447-6190.

Western Society of Weed Science Annual Meeting, Nugget Motel and Convention Center, Reno, Nev., Mar. 14-16.

USGA Green Section 1978 Regional Turf Conference, Washington Athletic Club, 1325 6th Ave., Seattle, Wash., Mar. 20, USGA, 201/234-2300.

Northcentral Pennsylvania Turf School, Holiday Inn, Bradford, Penn., Mar. 21.

USGA Green Section 1978 Regional Turf Conference, Sheraton Universal Hotel, 30 Universal City Plaza, Universal City, Calif., Mar. 21, USGA, 201/234-2300.

USGA Green Section 1978 Regional Turf Conference, Detroit Golf Club, 17911 Hamilton Rd., Detroit, Mich., Mar. 21, USGA, 201/234-2300.

National Recreation and Parks Association Southern Regional Conference, Biloxi, Miss., Apr. 2-4, 202/525-0606.

Williamsburg Garden Symposium, Williamsburg, Va., Apr. 2-5, 804/229-1000 Ext. 2365.

USGA Green Section 1978 Regional Turf Conference, Marriott Motor Inn, Commonwealth Ave. at Rte. 128 & Mass. Turnpike, Newton, Mass., Apr. 5, USGA, 201/234-2300.

USGA Green Section 1978 Regional Turf Conference, Northridge Country Club, 6612 Falls of the Neuse, Raleigh, N.C., Apr. 6, USGA, 201/234-2300.

National Recreation and Parks Association Pacific NW Regional Conference, Yakima, Wash., Apr. 8-12, 202/525-0606.

American Horticultural Society Spring Symposium, Mills Hyatt House, Charleston, S.C., Apr. 9-12, 703/768-5700.

Pennsylvania Recreation and Park Society 31st Annual Conference, Downingtown Inn, Downingtown, Penn., Apr. 9-12, James G. Smith, 215/MU 6 1776 Ext. 49781.

ALCA Interior-scape Symposium, Hyatt Regency O'Hare, Chicago, Ill., Apr. 20-21, 703/893-5440.

USGA Green Section 1978 Regional Conference, Tarrytown Hilton Inn, 455 S. Broadway, Tarrytown, N.Y., Apr. 12, USGA, 201/234-2300.

USGA Green Section 1978 Regional Turf Conference, Kingsmill Golf Course, 100 Golf Club Rd., Williamsburg, Va., Apr. 13, USGA, 201/234-2300.

Perlite Institute 29th Annual Meeting, Hotel Libertas, Dubrovnik, Yugoslavia, May 14-16, Robert Milanese, Managing Director, Perlite Institute, Inc., 45 West 45 St., N.Y., N.Y. 10036.

Canadian Land Reclamation Association Third Annual General Meeting, Sudbury, Ontario, Canada, May 29-June 1, Canadian Land Reclamation Association, Box 682, Guelph, Ontario, Canada N1H 6L3.

American Sod Producers Association Summer Convention & Field Days, Sheraton-Spokane, Spokane, Wash., July 19-21, 402/463-5691.

ALCA Reclamation/Erosion Control Symposium, Marriott Hotel, Denver, Colo., Aug. 3-4, 703/893-5440.

International Pesticide Applicators Association Annual Convention, Sea-Tac Motor Inn, 18740 Pacific Highway South, Seattle, Wash., Sept. 13-15, Ed Walters, 206/362-9100.

Professional Grounds Management Society Annual Conference and Trade Show, Atkinson Hotel, Indianapolis, Ind., Oct. 8-11, Allan Shulder, 301/6532742.

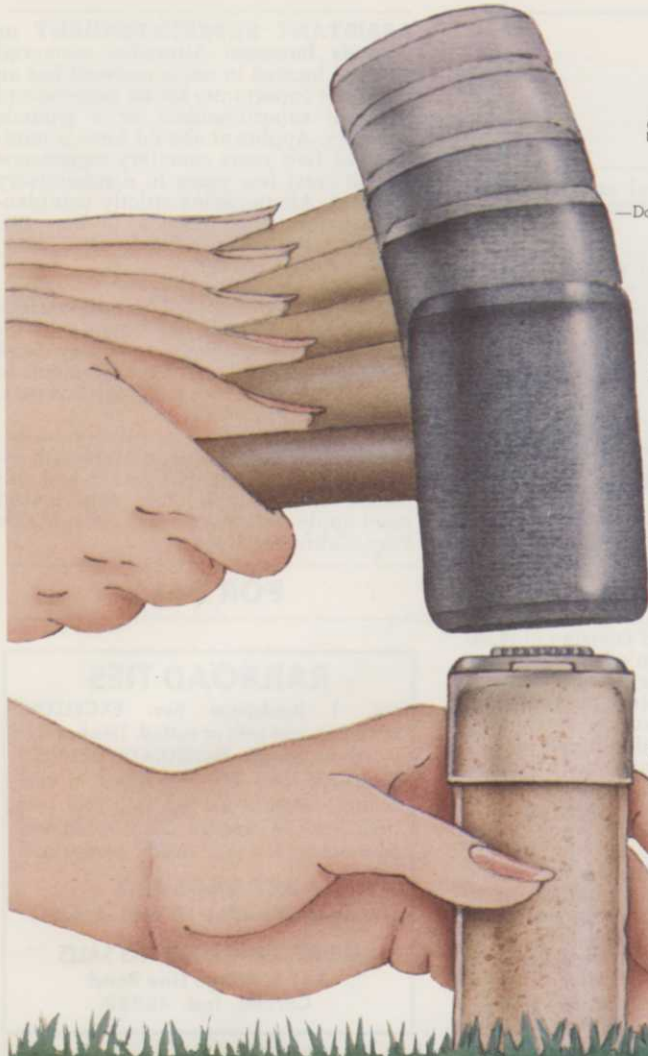
Florida Turf-Grass Association Annual Meeting, Sheraton Towers Hotel, Orlando, Fla., Oct. 15-18, 305/425-1581.

1978 Florida Nursery and Allied Trades Show, Curtis Hixon Convention Center, Tampa, Fla., Oct. 27-29, Charles W. Dunn, 813/626-4149.

Eighth Annual National Institute on Park and Grounds Management, Regency Inn, Denver, Colo., Oct. 29-Nov. 2, 414/7332301.

ALCA Maintenance Symposium, Marriott Hotel, Kansas City, Mo., Nov. 9-10, 703/893-5440.

Hammer down the cost of professional tree care.



"The cost of using Jobe's Spikes is the same today as it was three years ago."

—Dave Ruhl, President, Wye Tree Experts, Inc.,
Wye Mills, Md.

Wye Tree Experts' installation service of Jobe's Spikes is a profitable solution for home

owners with a lot of trees to feed, and limited manpower to do the job. Spikes are quickly installed at the drip line at the rate of one Spike per inch of trunk diameter. Rainwater or soil moisture does the rest.

A tree feeding program with Jobe's Spikes is a logical extension of lawn care service.

Just as Jobe's Spikes are good for trees and shrubs, they're also good for lawn care services.

Jobe's Spikes provide the way to insure more complete service to customers, and to make more profit for themselves.

Customers like the quick response trees and shrubs show when they're fertilized with Jobe's Spikes.



Wye Tree Experts find Jobe's Spikes are easy and profitable to use.

Jobe's® Tree and Shrub Spikes feed trees in about one fourth the time, at less than half the cost of drilling. A 5" tree takes about 5 minutes labor. Compare that to 30 minutes to drill holes, plus the time and cost to apply 10 pounds of fertilizer.

Jobe's Spikes are a pre-measured amount of fertilizer formed into easy-to-drive spikes by means of a patented binder. The binder provides for uniform release of nutrients. Jobe's Tree and Shrub Spikes are 16-8-8. Evergreen Spikes are 12-6-8. Fruit Tree Spikes are 5-15-15. Jobe's Spikes are better than

broadcast fertilizer because the plant food gets to the tree roots without danger of run-off, burned turf or excessive leaching.

Call your local Jobe's distributor or order direct. \$30 per case (105 Spikes) prepaid, 5 case minimum. 15 or more cases, \$25 per case. 36 or more cases, \$22.50 per case.

Jobe's®
TREE & SHRUB SPIKES

The easy method for professional tree care.
International Spike, Inc.,
1081 Dove Run Road, Lexington, Kentucky 40502

CLASSIFIEDS

USED EQUIPMENT

2 — 50' AERIAL BASKETS, brush chipper, stump cutter, 2 sprayers, small crane. Parkway Tree Service, 12026 West Cherry St., Wauwatosa, Wisconsin 53226. 414 257-1555.

FOR SATE — 1975 Vermeer TS-22" tree spade. Mounts on Bobcat or 3 pt. hitch. Excellent condition. \$1800.00. 1976 Care tree 30" tree spade. Mounts on Bobcat or 3 pt. hitch. Mint condition. \$2995.00. 1976 Care tree 36" tree spade. Mounts on 990 Bobcat, tractor, loader, or dozer. Mint condition. \$4495.00. 1972 Vermeer TS-44T tree spade on 1974 GMC 1 ton. New spades. Good condition. \$7800.00. Will send photographs upon request. Call or write: Spartan™ Tree Transplanting Equipment Company, 16084 S. Chandler Rd., East Lansing, Michigan 48823. Phone 517 351-1370. (We buy, sell, and repair high quality tree transplanting equipment).

GOBC PRENTICE LOADER on 7500 series GMC wheeler with steel body, \$7500; Holan Mustang II digger unit, truck burned, unit repairable or good for parts, \$1500. S & S Tree, Winterport, Maine. 207 223-4655.

1974 MACK ENDT1300 high torque, 5 speed, single screw. Fruehauf 35' tandem trailer with Side-O-Matic loader. Only 65,000 miles on tractor. \$24,000. New York 516 765-1244.

1975 MYERS, TL20E3, sprayer, 20 GMP, 600 PSI, 300 gallon tank, trailer model, gas powered, hose and gun. Less than 100 hours use. Call 412 366-3227.

1966 INTERNATIONAL CO4000, 871 N, single screw. Fruehauf 35' tandem trailer with Side-O-Matic unloader. Low mileage, excellent condition. \$15,000. New York 516 765-1244.

USED CHIPPERS, SKYWORKERS and hydro-ax's. Please call P. C. Gould Sales Company, Box 178, Essex, Connecticut 06426. 203 767-1636 Phil or Jeff Gould.

1967 WHITE 4500Td, 270 Cummins, single screw. Dorsey 35' tri-axle trailer with Side-O-Matic unloader. Good condition. \$12,000. New York 516 765-1244.

2135 FERGUSON SOD HARVESTER, \$6,200.00. 7 gang Roseman mower, sharpened, \$1,350.00. T035 Ferguson diesel and duals, \$2,500.00. 414 326-5267.

FOR SALE — 1975 Vermeer TS-44 tree spade. Excellent condition. Boser's Landscaping, Inc., Allegany, N.Y. Phone 716 372-1877.

BROUWER SOD HARVESTER with roll attachment. Call J. T. Patton & Sons, Inc., Silver Spring, Md. 301 924-4445.

FOR SALE: Clean CL-15 Vermeer vibratory cable plow and boring attachment. \$1,875.00. Phone 517 448-2980, Swanson Spray, Hudson, Michigan.

FOR SALE: Ideal reeal and bed knife grinder, combination, \$200.00. Call after 5:00 P.M. 419 886-4186.

FOR SALE: Nunes sod harvester, extra parts. Call: 206 776-5073. Edmonds, Wash.

SEEDS

SOD QUALITY Seeds: Merion, Flying, Delta, Park, Newport, Nugget, Adelphi, Cheri, Glade and Baron bluegrasses also fine fescues. Manhattan ryegrass. Custom mixing available. Michigan State Seed Co., Grand Ledge, Michigan 48837. Phone 517 627-2164.

HELP WANTED

GOLF COURSE TURF PROFESSIONALS: An opportunity to sell ProTurf® products. ProTurf Division of O.M. Scott & Sons, the nation's leading manufacturer and marketer of professional turf products, has openings for Technical Representatives in several territories. The Tech Reps selected will call on golf course superintendents, requiring a knowledge of turf management and an understanding of these professionals' needs. Applicant should have a BS degree or equivalent in one of the agronomic sciences. Excellent starting salary plus bonus, automobile, and a comprehensive benefits program at no cost to employees go along with these positions. Send resume in confidence to Frank Kolley, Director of Sales, ProTurf Division, O.M. Scott & Sons, Marysville, Ohio 43040. An equal opportunity employer.

ASSISTANT PROFESSOR of Turfgrass Science, Department of Floriculture and Ornamental Horticulture, Cornell University, Ithaca, New York. Responsibilities in research, teaching, extension. Active, cooperative leadership role in interdepartmental turfgrass group of faculty in agronomy, entomology, horticulture, plant pathology. Opportunity to develop modern turfgrass program on basis of strong industry support, active faculty colleagues, new research facilities. Ph.D required: turfgrass science, horticulture, agronomy, and/or plant science training. Closing application date: March 15, 1978; available: April 1, 1978. Contact Dr. Carl Gortzig, Chairman, Department of Floriculture and Ornamental Horticulture, Cornell University, Ithaca, New York 14853. (Telephone 607 256-2048).

SUPERINTENDENT: A quality midwest cemetery organization requires the services of an outside man with leadership experienced of at least 5 years to supervise land development, maintenance of turf, nursery materials, buildings and fleet equipment and handling of interment services by personnel. 100 acres, half developed; population of community 400,000. The individual will do his own hiring and earn \$15,000 to \$20,000 per year depending on qualification, plus full employee benefits. Please send resume in detail to Box 190, Weeds, Trees and Turf, Box 6951, Cleveland, Ohio 44101.

ASSISTANT SUPERINTENDENT or grounds foreman: Attractive memorial gardens located in north midwest has an excellent opportunity for an experienced assistant superintendent or a grounds foreman. Applicant should have a minimum of five years cemetery experience and at least two years in a supervisory position. All inquiries strictly confidential. Please send resume to Box 191, Weeds, Trees and Turf, Box 6951, Cleveland, Ohio 44101.

ASSISTANT MANAGER for mid-western sod farm. Will train but some sales or management experience necessary. Send resume including salary requirements to Box 188, Weeds, Trees and Turf, Box 6951, Cleveland, Ohio 44101.

WANTED: Equipment operators with experience in shaping golf greens and golf course construction. Only experienced need apply. Resume to: Box 2168, Menlo Park, California 94025.

FOR SALE

RAILROAD TIES

No. 1 landscape ties. EXCELLENT condition, not split or rotted. Ties banded in stacks of 25. IMMEDIATE DELIVERY (minimum load 250) anywhere in mid-central states, or loaded onto your semi from track in western Ohio. Additional information for your needs, please call:

317 844-7620

Monday-Saturday (8 a.m.-5 p.m.)

MIDWEST RAILROAD TIES SALES

541 S. Range Line Road
Carmel, Ind. 46032

FOR SALE: Landscape garden center. Five plus acres improved with 1858 square foot sales office and display area with central heating and air conditioning; 239 square foot detached double car garage with truck/tractor work shop area; plant sales area; equipment storage area; 1/2 acre irrigation pond; loading dock; 1000 gallon underground gasoline storage tank; paved drive & parking area. Four-bedroom, two bath residence with many fine features including central air condition, family room with fireplace, formal dining room, den and more. Location: Montgomery County, Maryland adjacent to the nation's capital, three miles west of Poolesville with over 300 feet of road frontage on State Route 107. For additional information: Contact Brooks C. B. Woods, Realtor at 20000 Fisher Avenue, Poolesville, Maryland 20837. 301 972-8400.

MUST MOVE: Trees for sale. Approximately 300 — 3 1/2 to 4 1/2 inch shade trees and ornamentals. \$12.50 per caliper inch, you dig. Ash, Sugar Maple, Red Maple, Pin Oak, European Linden. Contact Shield Shade Tree Specialists, Inc., area code 314 725-6159.

FOR SALE — Complete tree service company 23 years in business New England area. Equipment modern and good condition. Excellent clientele. Box 192, Weeds, Trees and Turf, Box 6951, Cleveland, Ohio 44101.



Do Princeton "Self-Propelled" Sod Harvesters Run FOREVER?

So Far...They Do! Of course, everyone knows that there's not a machine made that will run forever, but...as unbelievable as it may sound...EVERY "Self-Propelled" Harvester that Princeton Manufacturing has ever made is still on the job...earning bigger profits for their owners all over the United States.

BETTER
BETTER
BEST
EVEN BETTER

Over the years, Princeton always has made quality, durability, and craftsmanship their most important consideration. That's why the Princeton "Self-Propelled" is... "the BEST". But the people at Princeton are not easily satisfied. They know from "in-the-field" experience that

profits increase only when production goes up and labor and maintenance costs go down. To make this possible, they are constantly improving the output... quality... reliability...and convenience of all their harvesters. With Princeton... you get the BEST.

For additional information write or call collect:

Chuck Braun
Sales Manager

955 W. Walnut St.
Canal Winchester, Ohio 43110
Phone (614) 837-9096

PRINCETON

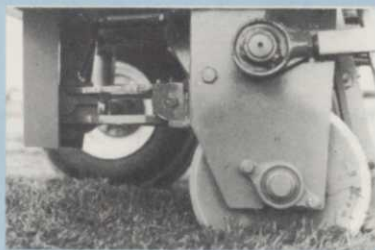
MANUFACTURING COMPANY
Dealer/distributor inquiries invited.

The BEST is now...EVEN BETTER

Princeton's "Self-Propelled" Harvester, always the leader in output, reliability and ease of operation among similar sized harvesters...is now EVEN BETTER.



NEW...more compact design with shorter wheel base provides improved handling with a tighter turning radius.



NEW...higher speed cutter head provides minimum vibration, maximum ground control and excellent cutting under both wet and dry conditions.



NEW...dual rear wheel configuration provides better flotation, wider weight displacement in the field and easier wheel and tire maintenance. **PLUS**...by removing the outside rear tire and lifting the specially hinged fender extension the new "Self-Propelled" meets the 8-foot highway hauling width requirements.



NEW...single level stacker platform and newly designed safety rails provide greater stacker comfort and safety.

All this and the Princeton Promise, too.

Princeton promises that each and every sod harvester that it manufactures is constructed with the utmost care by quality craftsmen, from only the finest available materials. If any Princeton harvester should fail to operate under normal field operating conditions due to faulty workmanship or materials for a period of 90 harvesting days, Princeton will repair or replace. Every Princeton harvester is guaranteed to work properly...on your farm...under your field conditions...that's the Princeton Promise.

SELL: Very attractive nursery and small pet supply. Located in northern California's Redwood Country. \$49,950.00 plus inventory. 707 923-2431 or P.O. Box 547, Redway, California 95560.

SMALL TREE and Lawn Service company for sale. Good growth potential. St. Vrain Tree Service, 1008 Atwood Street, Longmont, Colorado 80501. Phone 776-2660.

MISCELLANEOUS

WE DIG TREES. Will move large trees (5" to 10") with 78" tree spade. Will travel. Call or write Floral City Tree Service, 891 N. Dixie Hwy., Monroe, Michigan 48161. 313 241-7510.

CHEMICAL NON POISONOUS rat eliminators. \$1.00 generous size. Distributor information. Al-Jo Products, 12727 Danbrook, Whittier, Ca. 90602.

POSITION WANTED

TURF FARM MANAGER in search of responsible position within the green industries. Twelve years experience in all phases of turf production, sales and management. Resume upon request. Box 182, Weeds, Trees & Turf, Box 6951, Cleveland, Ohio 44101.

UNIVERSITY GROUNDS SUPERINTENDENT seeks to relocate. Broad horticultural background. Resume upon request. Box 189, Weeds, Trees and Turf, Box 6951, Cleveland, Ohio 44101.

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.

\$14,000 TO INVEST is all it takes to have your own complete tree service. This business is established and has an outstanding reputation for quality and service. New equipment and a fine staff make this a once in a life time opportunity for a hard working, experienced, tree man. This is a complete turn key operation with a fine future. Present owner must get out because of health. For more details call after 7:00 p.m., person to person, ask for Nick Moore, Houman, Louisiana, 504 868-1786. No collect calls accepted.

LEARN LANDSCAPING and the Growing of Plants at home. Start a satisfying business or hobby. Free booklet. Lifetime Career Schools, Dept. A-397, 2251 Barry Avenue, Los Angeles, Ca. 90064.

18 HOLE GOLF COURSE, par 72, 180 acres, additional land available. Geneva Enterprises, Inc., R3, Clinton, Indiana 47841. Telephone 317 832-8384.

WANTED TO BUY

LINDIG OR ROYER SHREADERS. Any size age or condition. Art Lewis 813 299-2106, 355 5th Street. S.W., Winter Haven, Florida 33880.

WANTED TO PURCHASE: Beck big roll sod harvester, any condition. Batavia Turf Farms, Inc., Box 662, Batavia, New York 14020.

AAA TREE SERVICE, INC. is interested in buying all types of used tree equipment. 1292 South Eastlake, Longwood, Florida 32750. Phone 305 339-5242.

WANTED — Used Toro rake-o-vac sweeper. Jacobsen fairway mowers. 513 424-2052.

WANTED: 24' Ray sod cutter. 513 424-2052.

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.

WT&T

ADVERTISERS

Adelphi Kentucky Bluegrass	81	Mallinkrodt	8
Allen-Clarke	75	Merck & Co., Inc.	93
Brouwer Turf Equip. Ltd.	35	Meyers, FE	92
Bunton Co., Div. Goodall	104	Mitts & Merrill	6
Samuel Cabot	103	Monsanto Chemical Co.	42
Champion Brass	90	Moody Sprinklers	cover 2
Ciba-Geigy Corp.	5, 6	Nursery Specialties	75
Cottage Garden	85	Occidental	95
Diamond Shamrock	56, 57	Oregon Fine Fescue	88
Ditch Witch, Div. Charles Machine Works	99	PetroChemical	83
Elanco Products Co., Div. Eli Lilly	13, 48, 49, 71, 72	BG Pratt	30
Excel Industries	7	Princeton Mfg. Co.	109
E-Z Go, Div. Textron	28, 29	Rain Bird	37, 86
FMC	89	Rhodia	60-62
Ford Motor Co.	20, 21	Ryan Turf Products Co.	39
FBI Gordon Corp.	96, 97	Scott, O. M. & Sons	31
Gravely, Div. Clarke-Gravely Corp.	101	Standard Golf Co.	82
Hahn, Turf Products Div.	9	Stanley Hydraulic Tool	103
Herd	78	Strong Mfg. Co.	38
Howard Com. Turf Equip.	87	Swift Agricultural Chemicals ...	24, 25
International Seed	104	Tee-2 Green	105
International Spike, Jobs'	107	Telsco, Weathermatic	92
Jacklin Seed Co.	74, 79	Tuco, Div. Upjohn	64, 65
Jacobsen Mfg. Co.	cover 3	Union Carbide Corp.	32, 33
Kubota Tractor	16, 17	US Borax	53
Limb Lopper	100	US Gypsum	15
Lofts Pedigree Seed	cover 4	Vandermolen	78
Magline	91	Vermeer	76, 77
		Willson	90
		Yanmar Diesel Tractors	23

Advertising Sales Offices

HEADQUARTERS

9800 Detroit Ave.,
Cleveland, OH 44102.
216+651-5500.
Richard J. W. Foster,
General Manager.

NEW YORK

757 Third Ave.,
New York, NY 10017.
212+421-1350.
Steven Stone,
Eastern Manager.

CHICAGO

333 N. Michigan Ave.
Chicago, IL 60611.
312+236-9425.
Joe Guarise, Jeff Dreazen

ATLANTA

3186 Frontenack Court, NE,
Atlanta, GA 30319.
404+252-4311.
Richard Gore, Sales Manager.

SAN FRANCISCO

582 Market St., Suite 1904,
San Francisco, CA 94104.
415+982-0110.
Robert A. Mierow,
Western Manager.

LOS ANGELES

5455 Wilshire Blvd., Suite 1107,
Los Angeles, CA 90036.
213+933-8408.
John Sanford, Western Manager.