



OHIO TURFGRASS Conference & Show

Dayton Convention
and Exposition Center
December 6-8, 1977

- 12 UNIVERSITY TURF SPECIALISTS
- GOLF COURSE SESSIONS
- GENERAL TURF SESSIONS
- PROFESSIONAL LAWN SERVICE SESSIONS

- OVER 50 MAJOR EXHIBITORS
- OVER 120 EXHIBIT SPACES
- ANNUAL BANQUET
- LADIES PROGRAM

The Ohio Turfgrass Conference and Show is a regional event serving midAmerica. Educational sessions and exhibits are planned specifically for the commercial turfgrass industry — golf courses, golf associations, parks, recreation areas, cemeteries, nurseries, landscape contractors, sod growers, firms, clubs, corporations, and related organizations. Anyone concerned with commercial turfgrass care in any way is welcome and will benefit from this program.

Write or Call:

Dr. Dave Martin
OHIO STATE UNIVERSITY
1827 Neil Ave.
Columbus, Ohio 43210
Tel. (614) 422-2591

SPONSORED BY:

OHIO TURFGRASS FOUNDATION
OHIO COOPERATIVE EXTENSION SERVICE



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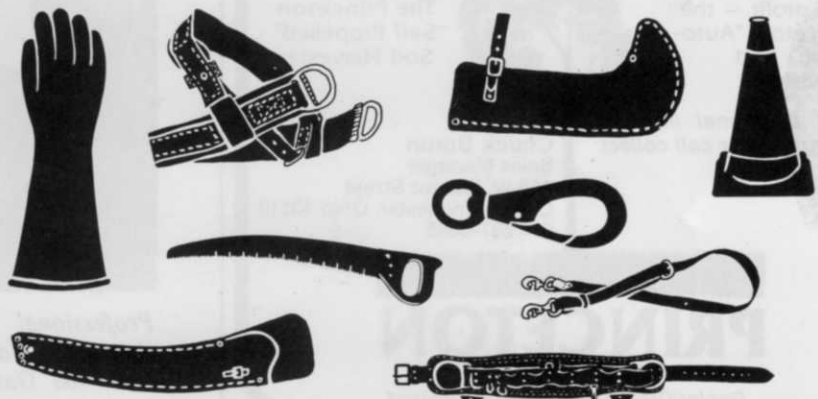
Durability in hardware and confidence in tested products are top priorities for you and the linemen you equip.

Safety Test, Inc., manufacturers and distributors of tree trimming and lineman's equipment, has the tools and accessories that your men have confidence in . . . safety tested products of proven durability. Tough tools! Sturdy, practical accessories! Everything they need for a good job done fast. In anybody's book, that saves money!

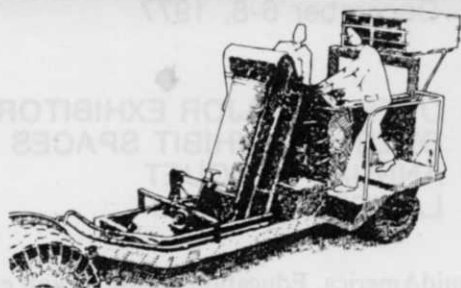
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Operating behind any adequately sized, low speed tractor, the Princeton "Tow-Boy" allows complete flexibility in the use of your power supply...because of its exclusive "2 minute hook-up" capability. Harvest in the morning, mow, seed, and spray in the afternoon.

Save time, money and man hours. Increase production! No large field crew needed. Harvest over 2,000 sq. yds. of sod per hour with three-man crew. All sod is cut, palletized and ready to ship.

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AUTOMATIC

The only sod harvester that does it all...with just one man! Cuts, aerates, crosstie stacks, and palletizes 27,000 sq. ft. of sod per hour with a crew of one. Save time, money, and man hours. For the large volume sod producer who wants to increase production and profit — the Princeton "Automatic" Sod Harvester.

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Canal Winchester, Ohio 43110
614/837-9096

PRINCETON

MANUFACTURING COMPANY

Dealer/Distributor inquiries invited

Circle 115 on free information card

Lennertz PGMS head

Fred A. Lennertz, Jr. was elected president of the Professional Grounds Management Society at its annual meeting in Houston this month.



Lennertz served as vice president this past year and is superintendent of grounds and transportation for Indiana University — Purdue University at Indianapolis.

Chosen vice president was Anne O. Seaman, who is retired from the New York Botanical Garden. Chosen treasurer was John R. Van Vorst, who is supervisor of parks for the city of Tenafly, N.J.

Over 150 professional grounds managers attended the six-day meeting at Stouffer's Greenway Plaza Hotel. Speakers included Dr. James B. Beard, turf professor at Texas A & M university; Russell Studebaker, horticulturist for the city of Tulsa, Okla.; Warren Purdy, cost control consultant for the green industry; and Fred Klatt, professor of landscape architecture at Texas A & M University.



Professional Grounds Management Society delegates visited the Bayou Bend Estate in Houston. Leading the tour was Gary Outen director of horticulture for the estate.

Weeds Trees & Turf FREE INFORMATION

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Gordon Leishman measures the extra growth after using Jobe's Evergreen Spikes.



"My trees doubled the growth rate after I used Jobe's Spikes."

Gordon Leishman of Idle Hour Country Club, Lexington, Ky., is enthusiastic about the results he achieves after using Jobe's Spikes. Trees added four inches more growth than he expected. He used Jobe's 12-6-8 Evergreen Spikes in the fall of 1975 to help trees winter over, develop strong root systems and provide a reservoir of nutrients for spring growth. And he's been using Jobe's Spikes ever since.

Jobe's Spikes get right to the root of your professional tree care needs.

In every type of climate . . . every kind of soil from sand to heavy clay, Jobe's Spikes have proved their effectiveness.

University studies have shown that Jobe's Spikes are better than surface-applied fertilizer. And there's no danger of burning turf or excessive leaching.

Jobe's patented binder forms the fertilizer into easy-to-drive spikes and provides for uniform release of nutrients. A plastic cap is included to make



driving Spikes easier and to protect the Spike while you drive it. The analysis of Jobe's Tree and Shrub Spikes is 16-8-8. Evergreen Spikes are 12-6-8. Fruit Tree Spikes are 5-15-15. Rainwater or soil moisture carries the fertilizer down to the root zone.

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

New Products



Kershaw Manufacturing has introduced the **Fence Row Trimmer** attachment for their Klearway heavy duty brush and timber clearing machine. A flail-type, rotary drum cutter, the Trimmer is capable of cutting and mulching material four inches in diameter.

For use, the Klearway operator hydraulically positions the four-foot-wide Trimmer outward from within the cab. It features a full range of operational cutting heights from four to seven feet above ground with the trimmer level. Cutting outside of this range, up to 15.5 feet high, can be attained with the trimmer cutting at an angle. Trimming at the 15.5 feet reach, the Trimmer head is perpendicular to the ground enabling "trimming back" of tall material which may be extending into the right-of-way from beyond the fence.

The Trimmer may be ordered as an option for new Klearways or as an attachment easily fitted to any existing Klearway.

Circle 701 on free information card



A new line of **flail choppers** produced in Holland by Van Wamel B. V. of Beneden-Leewen, the Netherlands, is available for distribution throughout North America.

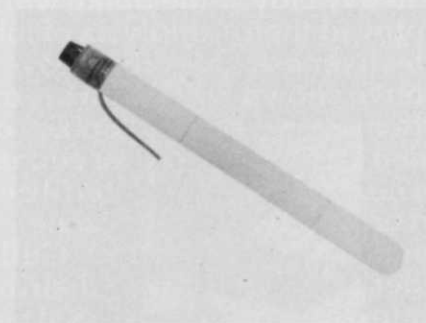
Seven models are available un-

der the "Perfect" trade name. The principle feature is a vibration-free flail rotor with heavy-duty, long-life flails. The rotor is suspended in self-adjustable bearings for intensive work and operates at a speed of 1900 RPM at 540 RPM of power take-off. Two of the models have eight flails each, two others have 12 flails each, and one model has 16 flails. Made of manganese steel, these flails are mounted in replaceable steel bushings with 20 mm. hardened steel bolts and locking nuts.

The chopper can be coupled to a three-point hitch on any type of tractor. The drive is through the oil bath gearbox with spiral teeth gears and V-belts having a spring-loaded automatic belt tensioner. Depending on the application, the power can vary between 28 and 60 h.p.

The machines are marketed in four models with operating widths of 110 to 220 centimeters for work directly in the center behind the tractor. In addition, three other models can operate in areas of 150 to 220 centimeters wide in central or off-center positions with respect to the tractor. The weights of the different models range from 850 to 1720 pounds.

Circle 702 on free information card



Hydrovisors, from Hydra Terra Corp., are solid state root tension sensors with a valve controller added. Added to any clock controller using electric valves that operate with 24 to 30 volts AC power, they sense when to irrigate. They may save as much as 50% by preventing irrigation when root stress is low, but allowing irrigation when the root tension is above 20 to 30 centibars.

The Hydrovisor is simple to in-

stall by wiring in series with the existing valve wires. They work in any type of soil, and one Hydrovisor can supervise up to three valves at a time.

Circle 703 on free information card



Startex Corp. has introduced **Weather Out**, a system that locks sheets of plastic to offer seasonal climate control of nursery out-buildings. Simple frames or moveable structures permit a flexibility of growing environments that enable the growing plan to be the most profitable at the lowest cost, Startex claims.

Once the locking channel is installed, the plastic sheets can be put into place or removed in a matter of minutes. When the plastic is locked into place, it can't tear or blow away in the highest of winds or roughest of winters. No special tools are required for installation of the system or for placing or removing the plastic.

Circle 704 on free information card

Rhodia Inc. has a new **16-page brochure** on its Visko-Rhap herbicides and invert emulsion spray system. Included in the booklet are an application guide and rates recommended for Rhodia's herbicides in such applications as rights-of-way, roadsides, drainage ditches, lakes, ponds and forest management. Also listed are species of weeds controlled by the herbicides along with directions for proper use.

The brochure includes a detailed check-list for converting a conventional spray system to a Visko-Rhap invert-type system. The heart of this system is a mechanical inverter that provides optimal immersing of oil in water. The resultant spray consists of heavy droplets in spaghetti-like strands that reduce drift.

Circle 705 on free information card

Good things come in small packages.



Whether you purchase seedlings for permanent planting or prefer to grow your own stock for later transplanting, you'll be impressed with our wide variety of fir, pine and spruce seedlings. Northern-grown for hardiness, they've all been personally cared for by the owner to assure that you receive only the very best.

As a businessman, you'll appreciate our dependability almost as much as our reasonable prices.

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NG-54004A

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

2 — 50' AERIAL BASKETS — 65' Aerial basket, 2 Asplundh brush chippers. 1 Vermeer tree mover, 1 Vermeer stump cutter. Small hydraulic crane, 2 John Bean sprayers, ten ton tri-axle trailer, 1 Prentice log loader, tractor with front end loader and Bobcat loader, Parkway Tree Service, 120626 W. Cherry, Wauwatosa, Wis. 414 257-1555.

FOR SALE — Three lawn spray trucks. 1973 IHC w/1000 gallon tank; 1976 GMC w/1000 gallon tank; 1976 GMC w/750 gallon tank and mechanical agitation. All three trucks equipped with Meyers multistaged pumps, hose and hose reel. These trucks are in excellent condition and ready to spray! For details call (217) 529-5692, Blakley Fertilizer.

BEAN ROTOMIST No. 100F, reconditioned, \$4,500.00. 65 Ford 600 gallon, 3 compartment, Bean 35, 30 hp Wisconsin, 2 power reels, \$6,500.00. 64 GMC 500 gallon, 3 compartment, Bean 20, PTO, electric reel, \$4,900.00. 310 Ryan tow type lawn aerator, \$650.00. Gravely 408 tractor, \$900.00. AAA Spraying, Inc., 942 N. 95th, Seattle, Washington 98103, 206 364-4283.

SEVERAL 50 FOOT SERVI-lifts mounted on GMC trucks. Call 401 725-2250.

FOR SALE — 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).

1976 NATIONAL CRANE, 64' w/18' JUB on 1976 Ford F750 w/16' platform dump body. All heavy duty. New condition. \$28,000. Aiton Tree Service, 104 Walter Street, Roslindale, Massachusetts. 617 769-0644 or 769-3649 after 6:00 p.m.

3 1977 MASSEY FERGUSON 20C diesel tractors, with or without 5 foot sidemount Cartner rotary mowers. Still under warranty. Thorpe's Mowing, Inc., 980 Williamson Road, Horsham, Pa. 19044. 215 646-3870.

USED CHIPPERS, Skyworkers and hydro-ax. Please call P. C. Gould Sales Company, Box 178, Essex, Conn. 06426. (203) 767-1636 Phil or Jeff Gould.

1960 FORD F600, very good condition, all major components re-built, custom made body with a 1972 John Bean sprayer 600 gallon tank, 50 GPM pump, with automatic refill attachment, good condition, \$3,000.00. Call (914) 561-3490.

FOR SALE Several used Skyworkers and other associated items. Phone: Aerial Lift Repair, Inc. 203 878-0695.

1976-75-74 GMC 2 1/2 ton 1300 gallon spray trucks, PTO, pumps, electric reels, low mileage. Call 713 838-1639.

FOR SALE — used John Bean sprayers, 10 gallons to 300 gallons. Also, trailer for 100 Rotomist, \$200.00. 313 665-5338

1974 50 FOOT SKYWORKER on International with chip box, hydraulic outlet, 22,000 miles, extra clean, asking \$17,800. Edwards Tree Service, 3190 Cooper-Foster, Vermilion, Ohio 44089. Phone 216 967-6750.

1974 VERMEER TS44T, mounted 1969 Chevrolet C50. Picture, price on request. 208 664-5914. 821-4th Street, Coeur d'Alene, Idaho 83814.

FOR SALE: Bean Rotomist, model 901, \$2,500.00. 203 774-1061.

SEEDS

SOD QUALITY Seeds Merion, Fylking, 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

CONTRACTING FOREMAN and assistant foreman: Work in Sun Belt of U.S. and most aggressive city in the southwest. Applicant must have experience in landscape construction, installation and be knowledgeable of horticultural field. Year round position offers paid vacation, sick leave and eligibility for company insurance. Applicant must possess ability to inspire and direct landscape workers. Send resume to Southern Landscaping, Inc., 6503 Mapleridge, Houston, Texas 77081.

HELP WANTED — Qualified landscape, sprinkler, and grounds maintenance personnel needed by Colorado firm. Career oriented. Send resume of experience to: SaBell's Inc., 5555 West Ohio Avenue, Lakewood, Colorado 80226.

NEED TREE CLIMBER for cemetery in Chicago area. Cedar Park Cemetery, 12540 South Halsted Street., Chicago, Ill. 60643.

FOR SALE

FOR SALE: Small tree service Co. Indiana, grosses over \$96,000.00 a year, good potential for expansion. Equipment plus office equipment, miscellaneous tools and equipment, office building. Sell part or all. Box 181, Weeds Trees & Turf, Box 6951, Cleveland, Ohio 44101.

FOR SALE complete tree surgery and landscape company. 25 years in business, New England area, equipment and office furniture in A1 condition. Six employees year-round, one man operation. Good growth potential if desired. Box 179, Weeds Trees & Turf, P.O. Box 6951, Cleveland, Ohio 44101.

B&B PINES, firs, spruces, 3'-15' and larger. 913 499-6323, Double-Bar-Pine Nursery, R1, Alta Vista, Kansas 66834.

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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.

FOR SALE: Young and growing landscape and maintenance business. Unlimited potential in fast-growing Idaho town. Bob Firth, Box 862, Burley, Idaho 83318, (208) 678-2793.

LEARN LANDSCAPING and the Growing of Plants at home. Start a satisfying business or hobby. Free booklet. Lifetime Career Schools, Dept. A-264, 2251 Barry Avenue, Los Angeles, Ca. 90064.

Meeting Dates

Seventh Annual Colorado Crop Protection Institute, Colorado State University Campus, Fort Collins, Colo., Nov. 9-10.

California Landscape Contractors Association half-day seminars, Stardust Hotel, Las Vegas, Nev., Nov. 10-11.

American Society of Agronomy, Crop Science Society of America and Soil Science Society of America Joint Annual Meeting, Los Angeles Bonaventure and Hilton hotels, Los Angeles, Calif., Nov. 13-18.

Irrigation Symposium & Equipment Show, Fresno Convention Center, Fresno, Calif., Nov. 16-19.

Tidewater Shade Tree Conference, Norfolk Botanical Gardens, Norfolk, Va., Nov. 17.

National Fertilizer Solutions Association 23rd Annual Convention & Chemical/Equipment Exhibition, Dallas Convention Center, Dallas, Texas, Nov. 28-Dec. 1.

New Jersey Turfgrass Expo '77, Cherry Hill Hyatt House, Cherry Hill, N.J., Nov. 28-Dec. 1.

ACLA Management Information Systems Executive Management Seminar, Airport Hilton Inn, Denver, Colo., Dec. 1-2.

Kitten & Bear Chemicals Workshop Seminar, 4215 Tholozan Ave., St. Louis, Mo., Dec. 3.

Delaware Turfgrass Conference, Hercules C.C., Wilmington, Del., Dec. 5.

Ohio Turfgrass Conference and Show, Dayton, Ohio, Dec. 6-8.

Woody Ornamental's Winter Storage Symposium, Sheraton-Columbus Hotel, Columbus, Ohio, Dec. 9-10.

Nursery Industry-Residential Landscape Design Short Courses, Ohio Agricultural Research and Development Center, Wooster, Ohio, Dec. 13-15.

International Society of Arboriculture, Indiana Chapter Annual Meeting, Stouffers Indianapolis, Indianapolis, Ind., Jan. 3-5.

Northeastern Weed Science Society 32nd Annual Meeting, Americana Hotel, N.Y., N.Y., Jan. 4-6.

Turf Grass '78, Maryland Turf Grass Council, Sheraton Lanham Inn, Lanham, Md., Jan. 8-12.

Western Association of Nurserymen Trade Show and 88th Annual Meeting, Hilton Plaza Inn, Kansas City, Mo., Jan. 8-10.

Need a solid, dependable mower? Take a ride on a Heckendorn

We've got a rugged, dependable mower that doesn't need an hydraulics specialist to run or maintain it.



The 88 cuts a 7'4" swath. The 88 mows tall grass or finely-groomed areas and trims to within one-half inch of trees, fences and other obstacles.

The 88 has:

- Zero turn maneuverability.
- Hinged outboard units that follow ground contours.
- Ten-gallon fuel capacity.
- Choice of engines.
- Inch and a quarter spindles.
- Safety interlock system.
- Rear terra-type tires.

- Gear steering.
- Automotive-type transmission, three speeds forward, one reverse.

The 88 is:

Simple to run. Easy to maintain in your own shop with standard parts.

For more information and dealer nearest you, please write:

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MANUFACTURING CO., INC.
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Four other sizes available.
INDUSTRIAL MOWERS
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NOVEMBER 1977/WEEDS TREES & TURF 37

SPRAYING SYSTEMS CO.

TeeJet®

SPRAY NOZZLES AND ACCESSORIES



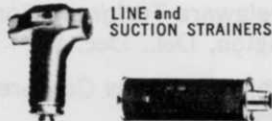
SPRAY BOOM CONTROL VALVES



PRESSURE RELIEF VALVES



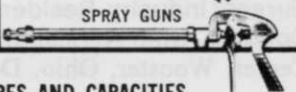
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SPRAY GUNS



Over 800

INTERCHANGEABLE SPRAY TIP TYPES AND CAPACITIES...

tapered edge, even and wide angle flat spray... hollow and full cone... disc type hollow and full cone... and flow regulators. The most complete line for spraying herbicides, insecticides, fungicides, liquid fertilizers and foam solutions. All materials. For complete information write for Catalog 36... and for foam spraying ask for Data Sheets 13602 and 13626.

SPRAYING SYSTEMS CO.

North Ave. at Schmale Rd., Wheaton, Ill. 60187
Telephone: 312 665-5000 / Telex No. 72-8409



PROMPT SHIPMENT FROM STOCK

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Dig big trees. Make big money.



**Do it with
Big John**

Now you can give your business income a lift with the largest patented tree digger in the world. This 78" compact monster will dig a 7,000 pound ball on a 10" tree faster than you can count profits — with less down-time to make you more money. We'll gladly demonstrate this machine for you and show how you, too, can earn high profits in this money-making business. Just write us. Or, better yet, give us a call now. We'll sell you more than a machine; we'll sell you a profitable business!



SPARTAN™

TREE EQUIPMENT CO.

16084 S.Chandler Rd. East Lansing, MI 48823
Phone: 517/351-1370

Offering a complete line of tree & landscape equipment: Big John Tree Transplanters • Newman Tree Frames & Trailers • CareTree Systems • Levco Stump Cutters • Cobra Air Hammers • Owatonna Loaders • Dakota Trailers • Chipmore Chippers

Circle 119 on free information card

Meeting Dates

16th Annual Nebraska Turfgrass Conference & Training School, University of Nebraska Center for Continuing Education, East Campus, Lincoln, Nebr., Jan. 9-11.

48th Annual Michigan Turfgrass Conference, Kellogg Center, Michigan State University, East Lansing, Mich., Jan. 10-11

Southeastern Pennsylvania Turf School and Trade Show, Westover Country Club, Jeffersonville, Penna., Jan. 10-11.

Alumni Association of the Niagara Parks Commission School of Horticulture Annual Educational Conference, Park Motor Hotel, Niagara Falls, Ontario, Jan. 12-14.

Kentucky Shade Tree Association Annual Meeting and Trade Show, Hyatt Regency Lexington, Lexington, Ken., Jan. 12-14.

New Hampshire Turf Seminar, Sheraton-Wayfarer Motor Inn, Bedford, N.H., Jan. 12-13.

The Mid-Am Trade Show, O'Hare Exposition Center, Chicago, Ill., Jan. 15-18.

The Pennsylvania State University Turfgrass Conference, J. Orvis Keller Conference Center, University Park, Penna., Jan. 16-19.

National Conference for Forestry Research, Ramada Inn, Rosslyn, Va., Jan. 17-19.

Southern Weed Science Society 31st Annual Meeting, Braniff Place, New Orleans, La., Jan. 17-19.

Kansas Recreation and Park Association Annual Conference, University of Kansas Student Union, Lawrence, Kan., Jan. 18-20.

International Society of Arboriculture, Kentucky Chapter Annual Meeting, Executive West, Louisville, Ken., Jan. 19.

International Society of Arboriculture, Penn-Del Chapter Annual Meeting, Marriott Motor Hotel, Philadelphia, Penn., Jan. 19-20.

International Society of Arboriculture, Ohio Chapter Annual Meeting, Sheraton-Columbus, Columbus, Ohio, Jan. 22-26.

International Society of Arboricultural, New Jersey Chapter Annual Meeting, Mercer County Community College, Trenton, N.J., Jan. 23

Connecticut Tree Protective Association 56th Annual Meeting, Sheraton Park Plaza Hotel, New Haven, Conn., Jan. 25.

Mid-Atlantic Agricultural Trade Show and The Virginia Pesticide Association Joint Meeting, Richmond, Va., Jan. 25-26.

Northern California Turfgrass & Environment Landscape Exposition, San Mateo County Fairgrounds, San Mateo, Calif., Jan. 25-26.

Here's the 72" out-front rotary mower that doesn't slip and slide all over side slopes.

When we designed this Jacobsen out-front commercial, we knew it could do all of the things we wanted it to.

Like mow up to 30 acres a day. Climb up and down curbs. Trim tight around trees. And with optional accessories, it can mulch leaves, plow snow or blow snow. And even sweep.

The trick was to distribute the weight so it would grip the turf with all six wheels when angling along side slopes.



Front wheels support cutter deck for super stability.

That's why the cutting deck is mounted on the carrier, with the two front wheels supporting it. This design keeps the rear wheels from lifting, and makes the Jacobsen the most stable out-front rotary on the market.

Not only that, the weight on the drive wheels can be adjusted for different terrain conditions. For reliable traction.

This is the only 72" out-front

rotary that meets the tough safety standards of the American National Standards Institute, Inc. (ANSI). No mean feat in itself.



Can perform zero turning radius, trims like a small mower.

We suggest you ask your Jacobsen distributor for a demonstration of this superbly designed mower-trimmer-mulcher-sweeper-snow blower-plow-combination-miracle-machine.

It's the one that digs in on side slopes.



Cutter deck tilts up and down for mowing gullies and bank edges.

Jacobsen Manufacturing Company, Racine, Wisconsin 53403

JACOBSEN
An Allegheny Ludlum Industries Company



Take a look at leadership.