

THE TENSION RELIEVER.

You can worry about turf problems caused by too much or too little water, or you can use AQUA-GRO, the water

AQUA-GRO.

management tool. AQUA-GRO is a blend of non-ionic organic wetting agents, 100% active ingredient with residual effectiveness in all soils.

AQUA-GRO ELIMINATES LOCALIZED DRY SPOTS ...AND COMPACTION.

AQUA-GRO is the specially formulated wetting agent that reduces water surface tension ensuring faster, more uniform

penetration and drainage, through hard-to-wet soils and thatch.

AQUA-GRO also relieves compaction by improving water penetration, drainage and aeration in high traffic areas. There's less need to aerify, or resort to costly rebuilding.

AQUA-GRO INCREASES FERTILIZER AND PESTICIDE ACTIVITY.


You get more from your turf chemical investment with AQUA-GRO. Turf chemicals are uniformly distributed throughout AQUA-GRO treated soils, so chemicals are used by plants more efficiently. And

AQUA-GRO helps turf chemicals penetrate thatch.

AQUA-GRO REDUCES WATERING COSTS 30-50%.

AQUA-GRO reduces irrigation costs, because water is used more efficiently. There's less run-off and less evaporation... you use less water, plants get more. AQUA-GRO helps you get your turf through the hottest weather. And AQUA-GRO lasts, because it won't leach.

Let AQUA-GRO relieve your tension. Available in liquid concentrate or spreadable granular formulations from your AQUA-GRO distributor.

 **AQUATROLS CORPORATION OF AMERICA, INC.**
1432 Union Avenue, Pennsauken, New Jersey 08110

For free illustrated brochure and more information call TOLL FREE 800-257-7797, in N.J. 609-665-1130.



“A Guide to Landscape Management”

Your complete guide to herbicides and fungicides,
designed with the turfgrass manager in mind
and sponsored by ELANCO PRODUCTS CO.

Published exclusively by Weeds, Trees & Turf magazine as an 18-page supplement to its September issue, “A Guide to Landscape Management” promises to be a handy reference you’ll want to keep.

The science of landscape management today is more planning ahead than reaction. With new technology, the landscape manager—nurseryman, golf course superintendent, landscape contractor, chemical lawn care applicator—must establish new standards by which

to compare products.

“A Guide to Landscape Management” will help you more effectively select the right materials to make your job easier. A cooperative effort by the staff at ELANCO and the editorial staff of Weeds, Trees & Turf, this special supplement will get you started toward better-looking landscapes.

Look for it next month when your regular issue of Weeds, Trees & Turf arrives.

ELANCO

WEEDS TREES & TURF

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Announcing a major new industry event!

Landscape Exposition

March 5-7, 1986 Valley Forge Convention Center
Valley Forge, Pennsylvania

Finally, you can catch the *entire* lawn care and landscape industry at one exciting show. The new Landscape Exposition will bring together the largest group of landscape/lawn care professionals and suppliers of products and equipment ever assembled in one place. At least 17 markets will be represented!

The Landscape Exposition is being held at the brand new Valley Forge Convention Center in Valley Forge, Pennsylvania, a suburb of Philadelphia. This fine center offers you many advantages including free parking, non-union staff, fantastic hotel facilities, and easy access from major highways and airports.

This exciting show has the enthusiastic support of the Professional Grounds Management Association, Associated Landscape Contractors of America, and Sports Turf Managers Association, and other professional groups. It is sponsored by *Weeds, Trees and Turf* and *Lawn Care Industry* magazines. And it is managed and promoted by HBJ Expositions & Conferences, a division of Harcourt Brace Jovanovich.

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YES! I'M INTERESTED!

- Please send me, at no cost or obligation, an
- Exhibitor's prospectus and application
 - Attendee's information package

Name _____	Title _____
Company _____	
Address _____	
City _____	State _____ Zip _____
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Telephone _____	

National unveils new reel; improves triplex

An out-front reel mower, the Model 30FTN, is National's latest turf maintenance offering. Individual wheel clutches located at the hand grips, adjustable handlebars, and hand-operated height adjustment are highlighted on this mower. Front caster wheels and pneumatic turf tires add to its man-



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ueverability. It is powered by a 5-hp Briggs & Stratton engine.

National's "flagship" Model 84 Triplex reel mower sports recent improvements also. The 84 is available with a 12-hp Kohler electric-start engine or a 10-hp Briggs & Stratton. New and common to both is a foot-operated disc brake. New also on the Kohler-equipped model is a 3-gallon gas tank behind the engine for improved operating visibility. A dashboard shows a voltmeter, hourmeter, and remote choke lever. The engine is protected by a sturdy bumper.

With either engine-equipped Model 84, five or six-bladed reels are available, bushing or Timken rollers, and a high speed reel kit.



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TOUGH STUFF



The Professionals from Center Plains Industries have the muscle to keep your turf lush, green and healthy. Our premium fertilizers are available throughout the Southwest and irrigated Great Plains.

ZIPP® is a water soluble blend of Zinc, Iron and Polyphosphate readily available to the growing plant. Used throughout the growing season.

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New Delivery Vehicle by Cushman stronger

The new OMC-built 22 hp engine gives the 1985 Cushman Delivery Vehicle better performance and more punch for steep grades. The new engine replaces the previous 18 hp model.

The 3-wheel on-road Delivery Vehicle can haul 1,200 lbs., with more than 60 cu. ft. of covered cargo space and a top speed of 39 mph. It can be turned in an outside clearance circle of 17 feet.

Also available is a 4-wheel version, the 458 Delivery Vehicle for off-road use with a rated capacity of 1,400 lbs. and a top speed of 29 mph.

Both vehicles come with headlights, turn signals, stoplight/flashers, and hydraulic brakes on all wheels.

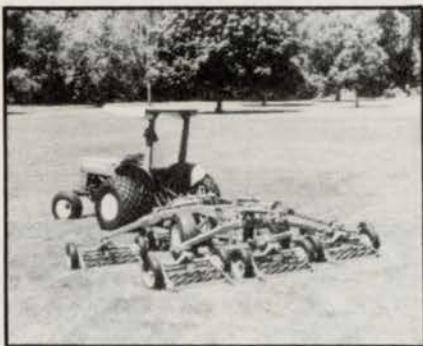


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Jake hydraulic lift frame cuts mowing costs

Jacobsen introduces a new hydraulic ram lift frame for gang mowing. With gangs raised, the new 5/7's Ram Lift Ranger has a road width of just under 8 ft., allowing transport to remote mowing sites at speeds up to 20 mph behind any utility tractor.

The company points to golf courses, park and school districts, and contract mowing of large turf areas as applications where higher transport speed translates to more economical operation.



When all seven gang mowers are lowered, the 5/7's 15 ft. swath cuts more than 70 acres per shift. Six or five-gang configurations can be used in tighter mowing areas.

The 5/7's electric solenoid valve for lifting gangs permits use with any tractor. Lift controls are operated from the tractor seat.

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Tye makes a planter for gardens, small areas

Tye introduces a planter/seeder that can be pulled with most lawn and garden tractors, and three and four-wheel ATV's.

The unit, the Estate Planter, features seed metering for planting in rows 6, 8, or 10 inches apart. Seed is placed into the seed furrow behind a single 12-inch opening disc. Drag chains behind each opener cover and smooth the seeding.

The Estate Planter plants seeds



Easy answers to tough turf questions.

Even the most experienced lawn care professional has a few questions now and then. About unusual weather that could affect your customers' turf growth or soil conditions. Or questions about getting more control over the speed and length of greening. Or about trying out new formulations that really set you apart from your competition.

Just call us. Our new **Greenline** is your connection to total professional lawn care and the best help you can find—absolutely free and at no obligation to you.

Our technically-trained professionals will take your questions seriously. So seriously that if they don't know the answer immediately, they'll do some research on your behalf and get back to you with a complete response to your problem. They'll even be able to suggest a **Lebanon** product to help you, whether it's a standard formulation or one we can develop exclusively for your special needs.

Call us on a day-to-day basis, too, for the name and phone number of your nearest **Lebanon** sales representative. To find out what new products we're working on, and to learn when they'll be available to you. Or just to place an order or ask a question about one.

The new **Greenline** from **Lebanon**. It's our way of giving you better quality turf care . . . and customer service . . . from the ground up.

Call us today, toll-free, at **1-800-233-0628**; in Pennsylvania, call **717-273-1687**.



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ranging from grasses and legumes to certain garden vegetables. It is available in 3-point or pull-type hitch models with planting widths of 48 or 64 inches.

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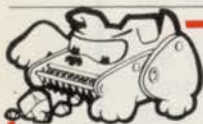
"World's largest" roto tiller debuts

The Seaman-Maxon Company introduces what it claims to be "the world's largest roto-tiller."

The mixing unit is mounted on a 143-hp International Harvester hydrostatic tractor. The tiller can mix up to 12 inches deep in 1/2-in. increments at a full width of 7 feet, the company says.



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ROCKHOUND TEACHES THE ABC'S OF GROUND PREPARATION

A SERIES ROCKHOUND



B SERIES ROCKHOUND



Open bottom—PTO Drive. Rocks are raked to a convenient windrow for later pickup.

COST EFFECTIVE ROCKHOUNDS Rake and collect rocks and surface debris, leaving the soil in a fluffy, level, seed-bed quality condition.

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The Holekey Pokey

(Soil Hardness Gauge)

\$139.00



- Designed to help determine best time to aerate.
- Colored dial easily read for good, fair, and poor aerating conditions.
- Depth gauge for more accurate reading.

An invaluable tool for the lawn care personnel aerating home lawns, it can be used for many other applications. For more information, please write:

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RATES: \$1.00 per word (minimum charge, \$25). Bold face words or words in all capital letters charged at \$1.25 per word. Boxed or display ads: \$85 per column inch-1x (one inch minimum); \$80-3x; \$75-6x; \$70-12x. Agency commissions will be given only when camera-ready art is provided by agency. For ads using blind box number, add \$5 to total cost of ad. Send ad copy with payment to Dawn Anderson, WEEDS TREES & TURF, 1 East First Street, Duluth, MN 55802 or call 218-723-9200.

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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, 15485 N. East Street, Lansing, Michigan 48906. Phone (517) 484-7726. TF

HELP WANTED

CAREER OPPORTUNITIES. ChemLawn is now accepting applications for the positions of Lawn Specialist in our expanding Florida markets. Join the Nation's Leader in Lawn Care. Send resume to WTT Box 362 9/85

LAWN CARE MANAGER—A commercial and retail lawn care company in Pennsylvania is seeking a key management person. We need a motivated, personable self-starter. This person must have comprehensive lawn care and business skills—excellent compensation package offered. Please send resume to WTT Box 364. 8/85

SALES PROFESSIONAL to the Green Industry for Eastern market expansion; a sales professional with 2 years experience selling to lawn care, landscape and arborist firms. Must have work knowledge of the business, as well as customer needs. Excellent compensation package offered. Please send resume to WTT Box 363. 8/85

ROADS AND GROUNDS SUPERVISOR—Harper College is seeking an individual to supervise our Roads and Grounds Department. The individual will be responsible for the supervision of landscaping, planting, pruning, vegetation control, road maintenance and snow removal on a 200 acre campus. Horticulture or related degree preferred with three to five years experience in landscape supervision. This 12 month position offers an excellent benefit program including free tuition. If interested, please send resume and salary history to: William Rainey Harper College, Personnel Department, Algonquin & Roselle Roads, Palatine, Illinois 60067. EQUAL OPPORTUNITY EMPLOYER M/F. 8/85

Brouwer Turf Equipment, a major turf equipment manufacturer has openings for two district sales representatives for territories of Texas, Louisiana, Mississippi, and Montana, Colorado, Washington. Seeking enthusiastic individual with experience in turf and ground care equipment. Duties include recruitment of new dealers, sales training on new products, inventory control, etc. Salary and commission. Send resume in confidence to WTT Box 366. 8/85

Expanding landscape design build firm desires experienced landscape and/or irrigation supervisor. Qualified in all phases of landscape construction and management. Contact: R.M. Parks, Senior, P.O. Box 157, Fairburn, GA 30213. (401) 964-9999. 8/85

Immediate opening for experienced Landscape Foreman, (at least 5 years) who can do the usual reading of plans, working with the men, be personable with clients, have enough hort to properly plant and an eye for neatness and efficiency. We do residential work only. Send resume to Dennis Anderson & Wife, Inc., P.O. Box 702, Barrington, IL 60010.

LANDSCAPE ARCHITECT—VAIL, COLORADO—Needed for design-build company. Minimum 3 years experience—estimating, construction and design. Resumes only. Box 3567, Vail, CO 81658. 8/85

OPERATIONS MANAGER—Grounds maintenance firm in Florida is seeking an individual to manage and direct the lawn maintenance division. Previous experience in multi-crew organization, knowledge of equipment, chemical programs and ornamentals a must. Strong people and management skills. Mail resume to: Personnel Dept., P.O. Box 16123, Clearwater, FL 34279. 6/85

FOR SALE

TREE FERTILIZATION GUN, tested on over a million square feet of trees and shrubs all over the U.S. Good to 500 psi, repairable, non-corrosive. Buy direct from manufacturer, \$95.50. Arbor-Nomics, Inc., 5634-A Buford Highway, Atlanta, Georgia 30071. (404) 447-6037. TF

Heston SP10 modified straw blower, PTO powered. Blows stacks, cubes, small square & round bales. Days (319) 355-8313. Nights: (319) 326-5780 CST. 8/85

BULK LANDSCAPE MATERIALS HIGHEST QUALITY "LOWEST PRICES" DELIVERED WITHIN 48 HRS. THROUGHOUT CALIF. CALL FLORI BUNDA (209) 962-7040 OR WEST COAST MATERIALS, INC. (209) 847-3053 9/85

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

HYDROSEEDER, 1,000 gallon Bowie, skid mounted, 1976 model, used very little, mint condition, \$10,500.00. (513) 667-1346. 8/85

LAWN CARE BUSINESS FOR SALE—Long Island, N.Y. Over 600 lawn accounts and 100 tree spray accounts. 120,000 to 135,000 gross. Very profitable. Good equipment, and healthy growth every year. Please reply to WTT Box 365. 8/85

BUCKET TRUCK, SPRAYER 1000 gallon FMC V65 Wisconsin 60 GPM \$9,800.00; 1970 GMC 50' skyworker chip box \$10,800.00; John Deere 4020 Tractor with Royer Woodsman Land Clearer \$13,900.00. Toledo, Ohio (419) 865-7071. 8/85

SOD FARM. 18 acre producing farm complete with equipment, beautiful country home and barn. Established 1972 and has produced the area's finest sod. 20 minutes from downtown Indianapolis. Call 317-769-3230. 8/85

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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

LOCKE MAXI 2, only 50 hours use. Hydrostatic drive, 90-inch reel cut, 16 hp gas, electric start with sulky. \$3,000. Call Ken Erman or Tom Sprague. 216-243-8100. 7/85

Top soil screener. 8' x 8'. Screens your top soil or dirt using your front loader. Solid built design, no moving parts. (216) 799-9725. 9/85

USED EQUIPMENT

HI-RANGERS AERIAL BASKETS 65', 57', and 53'. Skyworkers aerial baskets 65', 50', 40'. Vermeer stump cutter 1560.6. Vermeer tree spade 66. TS 44. Asplundh bucket and brush chippers, Bean sprayer, 9 ton trailer. Parkway Tree Service, 12026 W. Cherry, Wauwatosa, Wisc. 53226. (414) 257-1555. TF

NEW and USED EQUIPMENT — Asplundh, Hi Ranger and Lift-all forestry bucket trucks, Chipmore wood chippers. Mirk, Inc., (216) 669-3567, (216) 669-3562, 7629 Chippewa Road, Orrville, Ohio 44667. TF

USED EQUIPMENT—JACOBSEN MODEL 524 AERATOR AND SEEDER USED 5 HRS. LIKE NEW CALL: HEADINGS, INC. (717) 898-8591. 8/85

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MODEL 83 AERO THATCH
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TREE TRIMMING EQUIPMENT—Aerial basket trucks with chip boxes and chippers (1970-1975). Priced to sell—offers accepted. Call (218) 724-7622, or write ATS, P.O. Box 3280, Duluth, MN 55803 TF

TORO TURF PRO 84—77 hydraulic tri-plex mower with 7 blade reels. Good working condition. Maintenance records. Gary Kesteven, Catholic Cemeteries, Washington, DC. 301-871-1300. 8/85

BUCKET TRUCKS, straight stick, corner mount and knuckle boom cranes. Sprayers, chippers, dumps, stakes, log loaders, crew cab chip box dumps, railroad trucks. 50 in stock. Sold as is or reconditioned. Opdyke's, Hatfield (Philadelphia area). 215-721-4444. TF

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FMC 200 gal skid (pickup) sprayer with 1010 pump, Kohler engine, Hannay reel, Biddle Lawn Care, Savoy, IL (217) 359-7012. \$1600.00 ask for Dick. 8/85

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Wanted to buy **HYDRO SEEDER**. Please send photo. Johnson Hydro Seeding Corp., 13751 Travilah Road, Rockville, MD 20850, 301/340-0805. TF

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KELWAY® professional SOIL ACIDITY and SOLUBLE SALTS TESTERS, available from distributors nationwide. HB-2 and SST brochures from **KEL INSTRUMENTS CO., INC.**, P.O. Box 1869, Clifton, N.J. 07015. (201-471-3954). 9/85

DIESEL HI-RANGER TOWERS—48-100 Feet working heights. Daily, weekly, monthly rentals with or without operator. **MATLOCK LEASING**, Pottstown, PA (215) 326-7711 or (800) 345-7711. TF

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MODEL 54 HIGH LIFT LARGE AREA SWEEPER SWEEPS A 5 FT. SWATH AND COLLECTS 3 CUBIC YARDS OF LEAVES, GRASS AND DEBRIS. P.T.O. and Tow Type Available

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Back Pack Sprayers are renowned for their long life. But that's just one of our features. Look at some others:

- **Quality** - precision components of the best materials.
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Technical data	FLOX 2 1/2 gal.	IRIS 3 1/2 gal.	SENIOR 5 gal.
Weight #	11	11.4	12.1
Tank Capacity	2.6 gals.	3.9 gals.	5.2 gals.
Max. Working Pressure	84 PSI	84 PSI	84 PSI

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