

ROOKIES

PRODUCT UPDATE

VERTICUTTER



A 30-inch verticutter has been designed by Hako-Werke to dethatch grass and collect the clippings in its 7.1 bushel capacity hopper.

The Verticutter's welded-steel construction makes it withstand the rigors of lawn, park and greens maintenance. The unit's blades can be adjusted to provide the spacing of cuts and the depth of penetration required for each particular dethatching job.

Powered by an industrial 203 cc, 3.5 kw air-cooled engine with electronic ignition, the verticutter has two forward speeds and one reverse.

HAKO-WERKE

Circle 133 on Postage Free Card

TOW-BEHIND VACUUM SWEEPER



John Deere engineers have developed a medium-size vacuum sweeper for turf and grounds applications. The model 141 sweep-

er collects debris through a 48-inch wide vacuum scoop and stores it all in a 1.4-cubic-yard hopper. An impeller compacts the debris by flattening cans, shredding leaves and paper, and pulverizing bottles. A great deal of debris can be stored in the 141's hopper before it's necessary to dump the load.

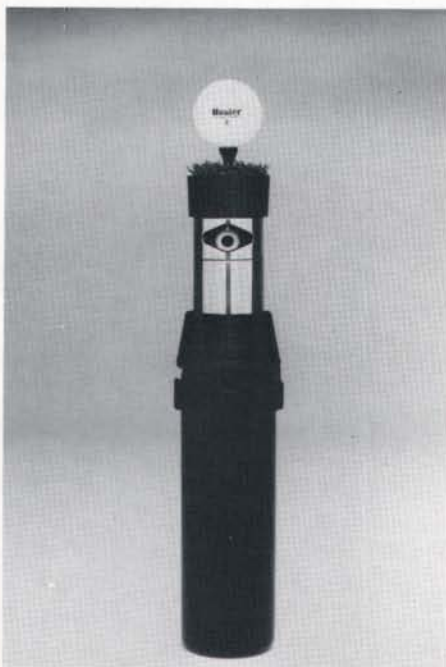
The vacuum sweeper is powered by a 16-hp gasoline engine with a 10-gallon fuel tank and has an impeller speed of 3000 rpm. It also includes a vacuum pick-up hose for hard to reach areas. The vacuum scoop is positioned in front of the pneumatic tires at the widest part of the machine for thorough cleaning of areas where it's difficult to maneuver. It also has an optional filtration system that helps prevent sand loss from the hopper.

Deere recommends that the model 141 be drawbar-mounted to a towing tractor with at least 20 PTO-hp. For ease in dumping, the vacuum has a spring-loaded, self-unloading rear gate. It also has a steerable jackstand for convenient hookup.

JOHN DEERE

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POP UP SPRINKLER



The I-44 Sod Cup pop-up sprinkler head from Hunter Industries has the unique ability to disappear into the turf when retracted. The sprinkler is capped with a living plug of sod that becomes part of the playing surface when the sprinkler is not operating.

Designed for moderate- to high-capacity usage on golf courses, playing fields and other public areas, the sprinkler has been extensively field tested at the PGA West Golf Course in La Quinta, CA.

The I-44 has an adjustable discharge rate from 6.5 gpm to 25.8 gpm within a radius range of 45 feet to 67 feet. An interchangeable nozzle/stator set is supplied with each head. The sprinkler is available in 17 fixed arcs and a full circle. Vandal-protection features include a clutch-protected drive system.

HUNTER INDUSTRIES

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ALL TERRAIN FORKLIFT



Spyder, Inc., has designed its new S-35X material handler to be well-suited for virtually any industry that utilizes pallet transportation and storage.

The all-terrain forklift carries its load between two hydraulically-driven front wheels. This carrying system provides for a lift capacity of up to 4,000 lbs even though the S-35X weighs only 3,000 lbs. The light weight makes the S-35X ideal for tough material handling jobs even on rough muddy terrain. Patented telescoping legs enable the forklift to maintain a level load on up to a 30 degree grade.

The S-35X can be towed behind a car or truck when carried on its custom designed light-weight trailer. Independently powered hydraulic drive wheels make the machine extremely maneuverable. A single control provides a backward pull for reverse, a push ahead to go forward and left or right to turn. The distance you push the control determines the speed of the forklift.

SPYDER, INC.

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ROOKIES

PRODUCT UPDATE

STEERING WHEEL MOWER



Middlesworth Engineering and Manufacturing, Inc. has announced the introduction of their new steering wheel controlled zero-turning radius mower. This optional control system can be used in place of the standard lever controls on any of the Middlesworth "C" Series out-front mowers.

The steering wheel option uses a foot pedal to control the ground speed and direction. The steering wheel increases or decreases the individual wheel speed to provide the steering. The system's true zero-turning radius capabilities will appeal to those who are more comfortable with steering wheel type controls than they are with lever type controls.

MIDDLESWORTH ENGINEERING

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LIGHT TOWERS



By utilizing telecommunication towers from UNR-Rohn and light fixtures from General Electric, Chuck Lindstrom and Associates

has developed a cost-efficient lighting system for colleges, parks and high schools.

The hot-dipped galvanized towers have been designed to provide strength and stability at low cost. Steps and service platforms enable the light fixtures to be cleaned, replaced and aimed without lowering them to the ground. Lights can be mounted higher than many pole-mounted systems to reduce interference with player vision during games and practices.

The light fixtures are GE Powr-Spots with metal halide lamps. All lighting layouts and designs are engineered by GE Lighting Systems Division for Lindstrom. The company also offers crossarms, lights and hardware for pole-mounted systems.

CHUCK LINDSTROM & ASSOCIATES

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IMPROVED ST. AUGUSTINE

A significantly improved St. Augustinegrass developed by turfgrass breeders at Scotts will soon be available from Pacific Sod. Known only as 6-72-130 St. Augustinegrass, the hybrid has been selected for its cold tolerance, aggressiveness, low growth habit and resistance to St. Augustine Decline virus.

The semi-dwarf cultivar produces a much lower and tighter turf than Floratam, the largest selling variety of St. Augustinegrass. Its aggressive lateral spread discourages encroachment by weeds. The cultivar has not shown thinning caused by diseases in turf trials conducted over the past 14 years.

Besides its resistance to St. Augustine Decline, the cultivar has not shown significant chinchbug injury. The St. Augustinegrass has shown good persistence in widely separated locations with no indication of cold injury.

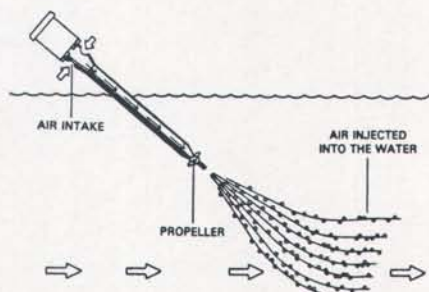
PACIFIC SOD

Circle 138 on Postage Free Card

LAKE AERATOR

Aeration Industries, Inc., prefers to inject atmospheric air below the surface of lakes and other bodies of water instead of propelling water into the air to mix with needed oxygen. The electric motor on the company's Air-O2, from its position above the water, drives a propeller that creates a horizontal high-velocity flow of air beneath the surface eliminating stagnant spots.

Bacteria in the water utilize the oxygen to break down organic matter without odor.



The abundance of oxygen in the water prevents blooms of algae and breaks down pollutants quickly. The aerator creates a current in the water to spread oxygen throughout the lake or irrigation reservoir.

The Air-O2 keeps injecting air into the water even after the surface has frozen over. The unit can be mounted on a float, bridge, dock or lakeside wall. The air injection housing can be adjusted to direct the flow of air into the water.

AERATION INDUSTRIES, INC.

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REACH MOWER FOR SMALL TRACTORS



A reach-type mower attachment for smaller tractors, the MP-135T from Micro-Mower, allows the sports turf manager to mow in areas only a trimmer could reach before. The unit is easily removed in minutes and allows the tractor to be used for a variety of other jobs.

The model MP-135T is available for tractors from 19 to 30 hp. It reaches 135 inches horizontally on either the left or the right side. Cutting is controlled by an electric/over hydraulic valve that is operated from the tractor seat.

Available with a choice of 52 inch or 44 inch multi-purpose finish flail cutting heads, the mower has a three-point hitch with stabilizer mounting.

MICRO MOWER

Circle 139 on Postage Free Card

ROOKIES

PRODUCT UPDATE

LIQUID SPREADER



The Greens Wheelie by Wheel Spray Corp., is a liquid chemical spreader with

a unique ground-driven pumping system. The unit gives the sports turf manager the benefit of a boom-type spreader without the worry of engine maintenance.

The twin-wheel pumps on the WS-490 spray a fan of solution six feet wide at the rate of 1,000 square feet per gallon. The delivery of the spray is relatively unchanged by the speed at which the sprayer is pushed. The faster it is pushed, the faster it pumps. When the operator stops, the sprayer stops pumping. Shut-off valves on the handle grips let the operator control each nozzle separately.

The WS-490 features larger pneumatic rubber tires and a thick-wall ten gallon tank

with a wide mouth lid for easy filling and cleaning.

WHEEL SPRAY CORP.

Circle 141 on Postage Free Card

SCOREBOARD

CLASSIFIEDS

CLASSIFIED ADVERTISING RATES: \$40.00 per inch payable in advance. One inch minimum. There are about 50 words per inch. Send copy with check for \$40.00 at least four weeks prior to issue date to: Classifieds, sportsTURF magazine, P.O. Box 156, Encino, CA 91426. Blind box numbers are available. Special borders and rules will be billed at display advertising rates. Classified ads are not commissionable.

GOLF COURSE REMODELING

Tifton Springs Golf Course Remodeling and Turf-grass Farms has worked for years with the largest golf course construction companies in the United States on some of the finest courses across the country. Tifton Springs has combined a staff of elite operators and supervisors to serve your remodeling needs. Call Rick Sowders anytime at (817) 441- 8896.

GET THE MAXIMUM FOR YOUR WATER DOLLARS.

Larry Keesen, Ltd., offers over 25 years of irrigation design and analysis experience and a national reputation for developing and presenting seminars, training programs and design schools for Toro, Rain Bird and Weather-matic. Keesen is a certified cost estimator and irrigation designer in commercial and golf course water systems. Currently president of the American Society of Irrigation Consultants, Keesen offers state-of-the-art technology and water conservation as specialties. Specific recent projects include: Highland Ranch Golf Course, Glen Eagles Golf Course in Denver, CO, Greenbelts for the Colorado Highway Department, Stellar Plaza in downtown Denver, Denver University and Clayton Colleges, Colorado State Capitol Complex and the Washington Monument in Washington, DC. Call today for a free brochure. (303) 790-2708.

VALVE SWITCH

Now you can add a valve without another wire with the Doubler, a four inch long, 2 1/2 inch in diameter switch that lets you control two automatic valves with only one valve wire and the common.

Developed by Transitional Systems Mfg. Co, the Doubler has just four wires. By connecting it to one station of your controller, the Doubler switches when the station is turned on and passes the current to the first valve. The next time that station is turned on, it switches to the second valve. This allows you to use one wire twice.

Rated to last 50,000 operation minutes, the 24 volt AC, 60 cycle, 9VA Doubler has a 30 Amp switching capacity and can work in temperatures ranging from -40F to + 140F.

TRANSITIONAL SYSTEMS MFG. CO.

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