

Golf Course News' showcase of tractors,

Atomizer nozzles an Air Cone trademark

UST Corp. is offering the Air Cone Turf Master self-contained sprayer which features six patented Air Cone Atomizer nozzles that eliminate drift.

UST says safety is improved for the operator as well as those on golf courses in the perimeter of the spray area.

Low-volume application rates enhance spray material efficiency and allow longer spraying ranges, increasing productivity.

Electronically controlled

application gives the operator more flexibility to change rates and vary ground speed to match conditions.

The Turf Master eliminates boom gouging through a 20-foot flexing frame design to follow undulating terrain which helps to ensure proper height of spray nozzle.

The full-floating boom has spring-loaded break-aways, allowing the sprayer to be maneuvered easily around trees or signs.



UST Air Cone Turf Master

It can be pulled by any utility vehicle.

Contact UST Corp., Monticello, Ind.; 219-583-6100. Circle No 248

Windfoil stops drift cloud

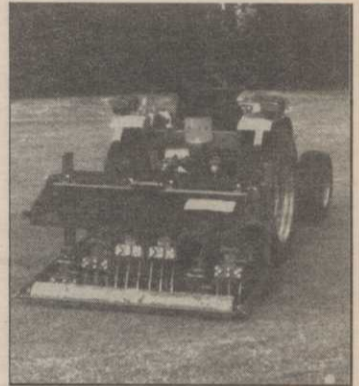
Windfoil, a spray system said to virtually eliminate drift, has been introduced by Innovative Equipment Inc.

Studying the aerodynamics of simple shrouds in a wind tunnel, Innovative discovered it possible to avoid formation of the low-pressure turbulent zone by adding an airfoil over the sprayer shroud.

No updrafts are created, so the drift cloud won't be pulled up into the air.

A drift-stop skirt seals the spray under the shroud for maximum drift control.

Contact Innovative Equipment Inc., 240-103rd Street Saskatoon, Saskatchewan, Canada S7N 1X7; (306) 477-2000. Circle No 267



Verti-Drain adds 10-incher

A new model of Verti-Drain, one that reaches 10 inches deep with its patented soil-shattering feature, is on the market.

The new 005.120 is similar to the original 16- and 12-inch deep versions, but costs about 20-percent less. It also offers the added benefit that it attaches to smaller tractors requiring only 17 horsepower at the PTO.

Charles Otto, head of North American sales for Verti-Drain, said demand for deep-tine aeration is growing by superintendents using it to alleviate severely compacted soils.

The model 005.120 offers both solid tines to a maximum depth of 10 inches and hollow coring tines that can be used to a depth of 7 inches. Tine diameters are 1/2 inch and 3/4 inch.

The new model has a working width of 48 inches.

Contact Charles Otto, 415 North Washington Ave., Scranton, Pa. 18503; 717-961-6120. Circle No 247

Martin Wheel making sealant

Martin Wheel is adding tire sealant to its product line to repair punctures up to 3/16 inch in diameter. It is recommended for use in pneumatic wheels on riding mowers, golf cars, industrial equipment, wheel barrows, hand trucks and other equipment.

It is available in 8-ounce tubes and in 5-gallon pails with an optional hand pump.

Contact Martin Wheel, 342 West Ave., Tallmadge, Ohio 44278; 216-633-3303. Circle No 257

Is your community up to par?

Or is it short on public golf?

Our research shows the demand for golf in the U.S. is such that some 4,500 new courses will be needed by the Year 2000.

This averages out to 375 per year. . . one new golf course each and every day for the next 12 years! Unfortunately, the current rate is closer to 125 per year.



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Clearly, golf course construction is not keeping pace with demand . . . especially in the public/municipal sector where the bulk of the demand is occurring.

Recognizing the impact this imbalance could have on the future growth and enjoyment of the game, the National Golf Foundation has developed programs to help communities realize the many benefits of golf course development.

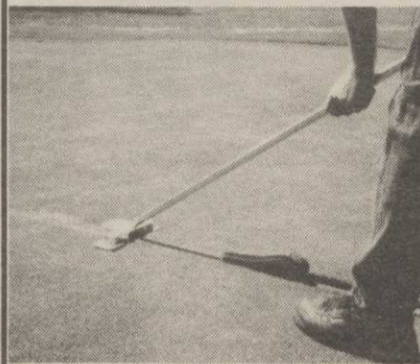
Please contact us to learn how the NGF can help your community assess and meet its public golf course needs.

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August Feature: Seed and Sod

August Deadline: July 14

GOLF COURSE NEWS

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accessories and related products

Kohler expands Command engine line

Kohler Co. has added two models to its innovative Command line of vertical shaft engines.

Rated at 12.5 and 11 horsepower, the new engines are suited to a variety of applications, including lawn tractors, wide-area walk-behind mowers and commercial maintenance equipment.

Both engines offer overhead valve design, inductive electronic ignition, high torque at low rpm, optional Oil Sentry low oil warning system and the optional Quiet Plus package.

The 12.5-, 11-horsepower vertical shaft engines include hydraulic valve lifters, laminated sheet metal blower housing, helical gears and a silencing muffler.

These Command engines have computer-designed, balanced shafts which reduce noise by canceling first-order forces while inhibiting engine vibration.

Contact Kohler Co., Kohler, Wis. 53044; 414-457-1271. Circle No 238



John Deere 1200 Bunker and Field Rake

Deere adds bunker, field rake

The three-wheel self-propelled John Deere model 1200 Bunker and Field Rake provides traction and power for a variety of work on the golf course.

The traction and power come from a variable-speed drive system that is new to golf and turf equipment, Deere says.

"Nobody has put together this combination of a wet clutch, torque converter and transaxle," said marketing representative Bill Chestnut. "It delivers a 164-to-1

gear ratio for enormous pulling and pushing power."

The 1200 is powered by a 10-horsepower Kawasaki engine and can travel up to 11 mph.

High-flotation tires and a low operating weight of 450ch inside-diameter turning radius, and a 78-inch-wide prong rake is standard equipment.

Contact Bob Tracinski, Deere & Co., John Deere Road, Moline, Ill. 61265; 309-765-4459. Circle No 252



Charles Machine trencher unique in hydraulics

Charles Machine Works, Inc. has introduced the Model 3500 Ditch Witch, an all-hydraulic 35-horsepower trencher that the firm said is the only one in its class featuring advanced-design hydraulics.

The four-wheel-drive, rigid-frame machine "incorporates the latest improvements in hydraulic drive technology," said Scott Pollman, product manager for the 3500. "An efficient hydraulic drive radial piston motor is the heart of the 3500's digging attachment. Its low speed and high torque allow plenty of power for the roughest digging conditions."

The 3500 also has a large-capacity hydraulic oil cooler, supplemented by a shuttle valve to provide cooler oil in a broad range of ambient temperatures as well as peak power to the digging chain.

A new Deutz F3L1011, three-cylinder, air-cooled diesel engine is also featured, and the Model 3500 can be equipped with a new, optional Ditch Witch A222 front-mounted 5-foot utility backhoe.

Contact The Charles Machine Works, Inc., P.O. Box 66, Perry, Okla. 73077-0066; 1-800-654-6481. Circle No 251

AIRE-O₂

Golfwater

SOLVES

Algae and Odor

PROBLEMS

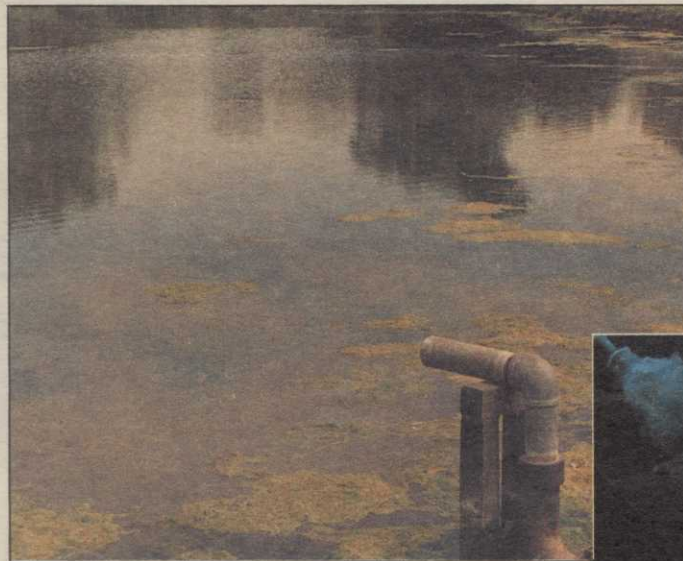
AIRE-O₂ Golfwater aeration solves algae and odor problems in irrigation ponds. Even effluent fed ponds are free of algae and odor after Golfwater aerator installation and operation.

An effluent water irrigation pond at a California golf course was both algae ridden and odorous before Golfwater aerator installation.

Within thirty days, odor problems were reduced significantly, and 95 percent of the algae had disappeared.

If your golf course has these problems:

- algae & odor
- hazardous chemical buildup
- organic matter accumulation
- clogged irrigation systems
- plugged pump stations



Effluent irrigation pond before Golfwater aeration installed.

Golfwater AIRE-O₂ aerators promote the breakdown of odor causing organic materials in pond water, and inhibit algae growth.

- quiet
- economical
- easy maintenance
- aesthetically compatible covers available
- all weather operation



Golfwater aeration and circulation remove odors, algae.



Clean ponds enhance golf course appeal.



Same pond 30 days after Golfwater units installed.

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At last, algae and odor control that works from coast to coast.

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Golf Course News' showcase of tractors,



Kubota B5520 Trencher

Kubota's new trencher fits five tractors

Kubota Tractor Corp.'s new trencher, the B5520, offers both ease of operation and a powerful performance, fitting the B9200, B8200, B2150, B1750 and B1550 hydrostatic-drive tractors which range from 17 to 24 horsepower.

The trencher's quick attach/detach system is easy to handle, while its torque-limiting clutch protects the tractor and trencher drive train from severe overload and is easily re-set in seconds.

Kubota also says the quick couple hydraulic fittings are simple and easy to use and equipped with a "dry" connect/disconnect system. The hydraulic integral valve provides two safety features: The boom will not lower when in a transport position with engine shut off and no boom up-drift will be experienced when in operation.

The B5520 trencher digs to depths from 2 to 4 feet and in widths from 3 to 12 inches, with an optional crumpler adjustable from 6 inches.

A front loader or front blade is required as a counter weight.

Contact Kubota Tractor Corp., 550 West Artesia Blvd., Compton, Calif. 90220. Circle No 255

Fel-Pro offers reel-sharpening compound

Fel-Pro Clover is producing an aerosol reel sharpening compound especially formulated for sharpening reels on frequently used greens and tee mowers.

It's also convenient for honing fairway and hydraulically powered mowers. There is no brush to come in contact with the blades.

The stream reaches into awkward locations with point-and-shoot convenience. The compound clings and won't sling off the faster-moving hydraulic mowers.

Garden hose knocks it off. There's no need for a pressure washer. Its foaming action puts more of the abrasive at the cutting edge.

Contact Fel-Pro Inc., Chemical Products Division, 7450 North McCormick Blvd., P.O. Box 1205, Skokie, Ill., 60076-8205; (312) 761-4500. Circle No 243

Lesco opens line of sprayers

Lesco Inc. has introduced a new line of fiberglass turf and tree sprayers.

Available in 100-, 200-, 300- and 500-gallon sizes, the sprayers feature leakproof, seamless, five-layer construction for strength and durability.

They use either 5-horsepower Briggs & Stratton engines teamed with 10.5 GPM at 425 PSI, three-piston diaphragm pumps, or 8-

horsepower Kohler engines teamed with 15 GPM at 550 PSI three-piston diaphragm pumps.

The 500-gallon strayer features an 8-horsepower engine.

Turf can be sprayed with a gun or boom, and trees can be sprayed to a height of 50 feet.

Contact Lesco at 20005 Lake Road, P.O. Box 16915, Rocky River, Ohio 44116; 216-333-9250. Circle No 245



Introducing the fine art of broadleaf weed control. New Gallery.™

Look closely. This may be the last time you'll see these broadleaves on display.

Elanco introduces the unique preemergence broadleaf weed control for golf courses. New Gallery 75DF. An original work of art. And science. With a new chemistry so advanced, it outdates postemergents, saving you time and labor costs.

The Gallery collection includes 44 of your toughest broadleaves such

accessories and related products

Kromer sprayer self-propelled

Kromer Co. has developed a self-propelled sprayer.

Lightweight to minimize compaction, the sprayer has an 8-horsepower Kohler engine and hydrostatic transmission, giving forward and reverse with a single foot-pedal control.

The sprayer has a standard 30-gallon poly tank, and an optional 50-gallon tank.

Its 15-foot spray boom also has an optional 15-foot hose and gun, so it can be used for greens, tees and fairway spraying.

It can be used to pull a small trailer, three-gang reel mower, spiker, aerifer or verti-cut mower.

Contact Kromer Co., 3455 Co. Road 44, Mound, Minn. 55364-9566; 612-472-4167.

Circle No 253



Kromer sprayer

Super Steiner tractor tough and versatile

The new Super Steiner Model 425's steady hydrostatic four-wheel-drive tractor with articulated frame surmounts the toughest going, say operators.

Power steering combined with a low center of gravity and high flotation tires provide exceptional maneuverability.

Front-mounted attachments offer a wide range of working tools. All attach to the exclusive "Quick Hitch." Attachments may be changed in less than two minutes.

Contact Steiner Turf Equipment, Inc., 930 Penn Ave., P.O. Box 85, Orrville, Ohio 44667; (216) 683-0055. Circle No 260



Yeager-Twose Turf Conditioner

Conditioner's blades special

Yeager-Twose has developed a Turf Conditioner that uses high-frequency hydraulic vibrating blades with "bullets" that shatter from the bottom upwards.

The unit contains colter discs that prevent turf surface tearing. It has adjustable press wheel rollers that firm the edges of the slit so the turf is ready for play immediately.

The Turf Conditioner now has longer blades available in addition to the standard 1- to 8-inch blades.

Contact F.W. Yeager, Yeager-Twose Equipment Division, 601 Baseline, Cornelius, Ore. 97123; 503-357-1003. Circle No 249

Basket-release kit quick, easy

B.H. Sales has introduced a product for superintendents who own Jacobsen Triplex Greensmowers. Using the Jacobsen Basket Quick-Release Kit, the mower operator can remove the baskets with a flick of a lever, without shutting off and lowering all the cutting units.

The kit is guaranteed for the life of the mower. B.H. Sales said it will prolong the durability of the grass catchers, stop the spillage of grass when removing the basket, help prevent the possibility of back injury, and save on labor costs with the quickness of removing the baskets.

Contact B.H. Sales P.O. Box 3457, Santa Rosa, Calif. 95402. Circle No 256



as spurge, chickweed and white clover. With no reproductions allowed.

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