

TeeJet makes spraying easier, safer

Spraying System Co. has introduced the TeeJet Lawn Spray Gun featuring interchangeable shower head-type color-coded nozzles with 48 solid stream orifices in a full cone pattern to minimize drift.

The gun is available with optional accessories including a low-volume adapter and extension wand for spot-spraying and touch-up work.

An inlet swivel offers free swivel-



GunJet Tree Spray Gun

ling action at the hose connection to eliminate twisting and knotting

of the hose for better operator concentration and more accurate ap-

plication.

The trigger guard and a bottom pivoting trigger with lock reduces operator fatigue.

TeeJet is the only lawn spray gun with a trigger guard, according to the company. It protects the applicator and the environment from accidental discharge.

Made of high-impact, corrosion-resistant material, the gun is lightweight and durable. Maintenance is simple and requires no special tools.

Spraying Systems has also introduced a long-range spray gun for reaching the tallest trees.

The GunJet Tree Spray Gun has an effective range of more than 75

feet. It is designed for large shade trees or roadsides requiring maximum throw and increased operator ease and safety.

The two-stage valve opening reduces the reactionary force when the GunJet is initially opened. The new 'low kick-back' design gives operators total control of the gun and minimizes the risk of accidental exposure.

The front handle adjustment allows operators to change the spray pattern from a solid stream to a hollow cone without removing their hands from the grip. Other features include a 'lock-on' trigger lock and adjustability for either right- or left-handed operation.

For more information contact your local TeeJet dealer or write Spraying Systems Co., Agricultural Division, North Ave., Wheaton, Ill. 60188.

CIRCLE NO. 310

Quick-connect feature added

New from Olson Irrigation Systems is the Ultra-Jet, a one-piece spray jet providing a stream for maximum coverage at low pressures.

The one-piece construction provides exact alignment of the splash plate with the orifice to assure precise water distribution. The product's open design provides no shelter for nesting insects.

Installation and removal are fast with the Ultra-Jet's patented twist-lock connection. A one-quarter turn locks the jet into position and reverse turn removes it. The product is also available with a traditional 10/32 threaded stem.

The Ultra-Jet is available in a variety of output capacities and spray patterns. Jets are color coded for output and carry an embossed symbol for easy pattern identification.

For more information contact Olson Irrigation Systems, 10910 Wheatlands Ave., Santee, Calif. 92701.

CIRCLE NO. 305

Adapter improves sprinkler system

Hendrickson Bros.' new Fc71 Riser Adapter can be added to half-inch irrigation devices to reduce nozzle fogging and improve spray pattern uniformity.

Improved performance and the creation of innovative patterns can be achieved by reduced flow applications to well-known sprinkler heads that reduce water consumption.

For example, a 9-foot, 360-degree pattern at high flow can be changed in seconds to a 3-foot pattern by simply retrofitting the Fc71 beneath the existing head.

The Fc71 is available in a wide range of standard and custom flows.

For more information contact , Hendrickson Bros., 2931 Lester Ave., Corona, Calif. 91719 or call 714-737-6822.

CIRCLE NO. 311



Di Giacomo insightfully combines the dynamics of nature, with innovative construction techniques to construct rock formations worldwide.

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IMPERIAL WING COUNTRY CLUB, NAGOYA, JAPAN • J. MICHAEL POELLOT GOLF DESIGN GROUP

New grass collectors from Ford

Ford New Holland has a new grass collection system for Ford Model CM224 and CM274 commercial mowers featuring a 17-bushel hopper with a 73-inch dump height and a new collectors for its lawn and garden tractors.

The blower impeller for commercial mowers is driven from the right-hand mower spindle.



Ford 3-bag grass collectors

Clippings and leaves are delivered to the hopper by way of a see-through tube.

The hopper is hydraulically dumped from the operator's seat.

Dump height is ample for discharge into trailers or pickup trucks.

The new collectors are designed to simplify yard waste removal and minimize operating time.

The high-dump hoppers allow quick load transfer for transport to composting sites.

The large hopper capacity and high dump reach are a special advantage where lawn clippings and leaves are composted on site. By dumping two layers high, the initial composting windrow is formed without additional handling.

For leaf disposal, the new col-

lectors simplify large area grooming. In the process, leaves are shredded to reduce bulk for easy co-composting with lawn clippings.

Ford New Holland has also introduced new grass collection systems for its yard, lawn and garden tractors.

The new triple-bag collectors have 9-3/4-bushel capacities. Bags are sized for convenient handling where clippings are used to mulch shrubbery, plantings or gardens.

The collector assembly is carried by a sub-frame that bolts to the tractor. Three pins, one on the bagger unit and two on the

blower assembly, allow collector removal in less than a minute without tools.

A glance at the front collector hood window shows when bags are filled. The hood flips forward for easy bag removal.

The new collectors should interest those who recycle lawn clippings and leaves as compost. While lawn clippings have a desirable nitrogen-to-carbon ratio for good quality compost, adding leaves provides desirable bulk and texture to the finished compost.

For more information contact Ford New Holland, Inc., 500 Diller Ave., New Holland, Pa. 17557.

CIRCLE NO. 307

Vermeer unveils new products

Vermeer Manufacturing has unveiled a new stump cutter along with a line of moles, expanders and accessories for boring 2- to 4-inch underground holes.

The Vermeer 665B Stump Cutter is equipped with a new cutter wheel design and a patented "Pro Series" cutter tooth system that improves speed, cutting performance and efficiency.

The unit swings 72 inches across the stump and reaches a maximum of 24 inches below grade. Hydraulic tongue extension also allows the 665B to reach out another 48 inches.

The 665B has two engine options — a Perkins 4.154 diesel engine or the Wisconsin V4650 gas. A new redesigned operator control station enhances visibility. Or the unit can be equipped with optional remote control for even greater distance from the cutting operation.

The Hammerhead line of moles, expanders and accessories is designed for use on underground installations without disturbing finished landscapes/surfaces or disrupting normal traffic patterns. The unit is especially suited for installations beneath roads, lots, rail beds, foundations, etc.

The pneumatically powered tools deliver more power to the striker assembly. The striker glides on wear rings that can be replaced in less than 10 minutes.

The Hammerhead design combines computer modeled engineering with high quality aircraft alloys and tool steels plus a hammer-worked nose design that increases steel strength, strike capacity and overall longevity.

In addition to the standard 2-, 3-, and 4-inch units, the Hammerhead is available with a 3-inch stepped head model to increase accuracy on longer and tougher conditions by reducing tool deflection when hitting rocks, gravel and other underground obstructions.

The Hammerhead line also includes expanders that create larger holes and PVC pullers that attach to the rear of the mole for handling different underground pipe and pulling needs.

Contact Vermeer Manufacturing Co., P.O. Box 200, Pella, Iowa 50219 or call 515-628-3141.

CIRCLE NO. 302



© 1990 CIBA-GEIGY Corporation, Turf and Ornamental Products, Box 18300, Greensboro, NC 27419. Always read and follow label directions.

240-gallon sprayer from Cushman

Cushman has introduced a new 240-gallon turf sprayer designed for 5th wheel attachment to the Cushman Turf Truckster vehicle.

The new sprayer offers golf course superintendents increased capacity for all turf spraying applications, along with excellent maneuverability and a ground pressure of just 11 psi to keep compaction to a minimum.



Cushman 240-gallon sprayer

The 240-gallon sprayer attaches to the Turf Truckster with a 2-inch ball hitch.

The Turf Truckster must be equipped with the special quick-attach hitch and power take-off accessory for operating the sprayer

pump.

The sprayer is equipped with a 240-gallon fiberglass tank, which has high-strength structural properties and designed-in resistance to chemical corrosion and ultraviolet rays.

The sprayer trailer features a heavy-duty tubular steel frame, equipped with electronic brakes, jack stand and an access step.

Tires are 24-by 13-inch turf tires on 12-inch rims.

Spray operation of one, two or all three booms is controlled from the Turf Truckster seat, as is spray application pressure.

The spray boom has a self-leveling feature for accurate application

over uneven ground surfaces. Boom height can be adjusted from 6 to 24 inches.

The sprayer also comes with a high-pressure hand spray gun equipped with 50 feet of 1/2-inch hose.

The Turf Truckster ground speed governor control helps ensure accurate spray application over all types of terrain. A 440 Raven computerized controller is available as an option for fully automated spraying.

For details contact your Cushman dealer or write Cushman, Inc., P.O. Box 82409, Lincoln, Neb. 68501 or call 800-228-4444.

CIRCLE NO. 301

Pickseed markets new grass seed

Pickseed Canada, Inc. will introduce a new energy efficient grass seed this spring.

Envirogreen requires less mowing, fertilization and watering than conventional grasses, according to company literature.

A combination of four grass varieties — Banff Kentucky bluegrass, Jasper Creeping Red fescue, Spartan Hard fescue and Lowgrow Perennial ryegrass — Envirogreen averaged 46 percent less vertical growth than conventional grasses.

Envirogreen will also tolerate a broader range of growing conditions including shade, sandy soils and dry soils.

In light of environmental concerns, Envirogreen will be packed in 100 percent cotton re-usable bags, labelled with recycled paper and shipped in recyclable paper balers rather than corrugates.

For more information, contact Doug MacMillan or Martin Pick, Pickseed Canada, Inc., Box 126, Richmond Hill, Ont., L4C 4X9 or call 416-884-1147.

CIRCLE NO. 304

Toro sprinklers add color coding

Toro 570C Series sprinklers have added color-coded Pressure Compensating Devices and the flexibility of side and bottom inlets in the 6- and 12-inch models.

The 570C line is best suited for small turf areas and intricate designs, providing six distinct sprinkler bodies with 3-, 4-, 6- and 12-inch pop-ups, ratcheting risers for simple arc fine-tuning and more than 90 interchangeable plastic and brass nozzles, including 45 Pressure Compensating Nozzles for design flexibility.

Features of the 570C series include heavy-duty construction; ratcheting risers on all bodies for easy arc adjustment; exclusive UV-resistant Conilip seal for improved sealing and reduced flush; acceptance of all Toro spray nozzles and filter screens; optional shrub adapters, extender, Micro Spray Adapter, Funny Pipe and check valve unit.

For more information contact The Toro Co., Irrigation Division, 5825 Jasmine St., Riverside, Calif. 92504 or call 714-688-9221.

CIRCLE NO. 303

Excel expands warranty program

Excel Industries has expanded warranty coverage on all its equipment to a minimum of two years on units sold and delivered by Jan. 1.

Models 251K through 440 will now have a two-year limited warranty. Hustler 640 Hillsider and Snow Track 440 carry a 3-year limited warranty.

For more information contact Excel Industries, Inc., P.O. Box 7000, Hesston, Kan. 67062 or call 800-835-3260.

CIRCLE NO. 306

THERE ARE
TWO THINGS YOU
CAN COUNT
ON WITHOUT FAIL.
OURS IS THE
ONE WITH
THE CONVENIENT
HANDLE.

There are certain things you take for granted.

Like the sun rising each and every day.

And the fact that Subdue, applied preventively every 10-21 days, virtually eliminates the threat of Pythium.

And while the handle certainly makes Subdue easier to grab onto, it's also worth noting that, unlike the sun, Subdue comes in both liquid and granules.

For details, contact your turf products distributor.



CIRCLE #145

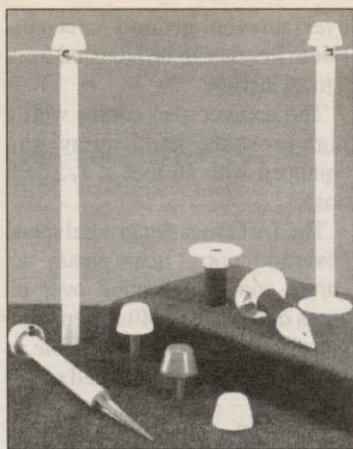
Path Minders control golf course traffic

Markers, Inc. has developed a new series of products to help control golf course traffic.

Path Minders features two styles of plastic posts for roping off areas and a road bump to gently remind drivers to keep the golf car off the path.

The posts are designed for temporary and permanent use.

The spiked style is ideal for



Markers Inc. Path Minders

temporary use (i.e. ground under repair) while the retractable post

and ground socket style is best suited for more permanent applications (i.e. along car paths, in front of greens).

Both styles feature a unique ring clip through which rope can be easily threaded.

The road bump is the marker cap with a 6-inch spike designed for installation along car paths.

The Path Minder series, as well as all Markers, Inc. products, are made of weather-resistant plastic.

For more information on Path Minder contact Markers, Inc., 33597 Pin Oak Parkway, Avon Lake, Ohio 44012 or call 800-969-5920.

CIRCLE NO. 312

Lesco introduces hose-end sprayer

Lesco has introduced the Accu-Rate Professional Injector Gun which the company claims is the green industry's first hose-end sprayer featuring a heavy-duty, industrial venturi system.

The gun operates off most 3/4-to 1-inch water service allowing easy application of a wide variety of liquid products.

The kit comes with 10 high-density fluorinated quart jars and lids, allowing the operator to pre-mix material and spray up to 25 acres without refilling.

Accu-Rate's Delrin body and pistol hand grip ensure operator ease and efficiency. It features quick calibration for any liquid viscosity, a 'set and lock' dial, and an industrial-grade venturi system to maintain easy application.

A professional-grade nozzle provides accurate and complete coverage.

The Accu-Rate kit includes the injector gun, 10 fluorinated jars, fluorinated suction tube, and complete calibration instructions.

For more information contact Lesco, Inc., 20005 Lake Rd., Rocky River, Ohio 44116 or call 800-321-5325.

CIRCLE NO. 308

Y-T aerifier has six attachments

A new compact greens aerifier with six optional attachments is being marketed by Yeager-Twose.

Options include:

- Hydraulic blade vibration with deep running blades creating no plugs and capable of penetrating through clay fairways. Bullets create air and water circulation caverns. Other new blades loosen rocky soil with minimum rock lifting. The unit has a 3-point mount that attaches on 13- to 45-horsepower tractors.

- A bottom dresser that places granule polymers, fertilizer, sand and insecticides in or below roots.

- A sod cutter with adjustable coulters and vibrating lift blade giving 18-inch wide rolls.

- A pipe puller that pulls irrigation pipe to a 20-inch depth.

- A cable layer that places wire or cable to a 20-inch depth.

- A root cutter that double cuts near surface roots.

For more information contact F.W. (Bill) Yeager, Yeager-Twose Equipment Division, 601 Baseline, Cornelius, Ore. 97123 or call 503-357-1003.

CIRCLE NO. 309

Saw expands pruner's abilities

A new circle saw accessory that operates on the Power Pruner's telescoping drive shaft is available from Technic Tool Corp.

The circle saw accessory is designed to cut 1-1/2-inch and smaller limbs. With its 5-1/2-inch blade, it can be quickly attached to the Power Pruner drive shaft. The saw can be easily maneuvered between branches and the tool's safety guard has a special cutting shoe that ensures a clean cut.

For the operator's protection, the circle saw's safety guard moves sawdust away from the operator.

The circle saw is available either as a Power Pruner accessory or as an individual circle saw unit, including the telescoping shaft of the Power Pruner.

For more information contact Nancy Keller or Dale Alldredge at Technic Tool Corp., 725 29th St. No., P.O. Box 1406, Lewiston, Idaho 83501 or call 208-746-9011.

CIRCLE NO. 319

At 2.2 Redefines T

Whoever said you had to sacrifice aerating speed for hole quality must be working for the competition. Introducing the Toro Fairway Aerator. Now you can aerate 61,000 square feet an hour at speeds up to 2.2 mph with exceptional hole quality. That's about four times as fast as other reciprocating models. A wide swath pattern and fast speed put the Toro Fairway Aerator way out in front.

By trying to match Toro productivity, the competition sacrifices a tight coring pattern, and opens up their spacing.

The competition can offer you speed with their non-reciprocating models, but you'll pay for it with poor depth and hole quality.

The Toro Fairway Aerator gives you clean, consistent hole quality plus adjustable coring depth control. Up to 5" with the two-tine head and up to 3" with the six-tine head. All easily adjustable with brackets on each side of the unit.

When you do heavy-duty work, you need heavy-duty components. With an all gear drive and tapered roller bearings, the Toro Fairway Aerator is built to withstand the punishment of high capacity aeration. And there are no belts or chains to slip or break.



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