



Spray Safety Kit Suit

Spray safety kit makes pesticide applications safer

Parkway Research has introduced a new "Spray Safety Kit."

The kit contains supplies of all necessary safety equipment for safe pesticide, herbicide, fungicide or fertilizer applications.

Kits include respirators, replacement filters, disposable suits and gloves, and eye and dust protection.

"Trio," another new Parkway product, is a surfactant that provides wetting, tank acidification for spray mix pH reduction, as well as a compatibility agent to help mix otherwise incompatible chemicals.

Contact Parkway Research, P. O. Box 5441, Kingwood, Tex., 77325 or call 800-256-3668.

CIRCLE NO. 308

New pumping system available

SyncroFlo Eagle Series irrigation pumping systems now are available for golf, turf and irrigation markets.

The new Eagle systems are self-contained water pump stations that meet special requirements of golf course superintendents and other turf and irrigation professionals.

The pre-assembled systems include the PC-based controls for completely automated operation.

Special features include NEMA 3R rated enclosures and UL-listed electrical systems, a programmable logic controller which eliminates adjustments for routine operations and minimizes system downtime, and optional RS 232 port for on-line data communications to remote terminals or peripherals.

Contact SyncroFlo Inc., 6700 Best Friend Rd., Norcross, Ga. 30071 or call 404-447-4443.

CIRCLE NO. 332

Target green added

Playfield Industries Inc. has added synthetic turf target green to its golf product line.

Playfield manufactures all-weather, athletic caliber playing surfaces. Golf car paths, clubhouses, locker rooms, entryways and pool areas are typical applications for Playfield products.

It has furnished and installed pitch and putt courses, complete with water hazards, rough, woods and tee areas.

Call 800-654-8873 for the new golf products brochure.

CIRCLE NO. 337

Flail mower now in three widths

The new Ford heavy-duty Model 918H flail mower is available in 60-, 72- or 88-inch cutting widths.

Designed for tractors up to 72 PTO horsepower, the mower fits either Category I or II 3-point hitches and can be centered behind the tractor or offset to mow close to walls or other obstructions.

It has lateral float for more accurate work on uneven ground.

The new mower's ability to groom lawns and mulch clippings avoids the need for removal. Landfills no longer accept yard waste, and

composting is not considered feasible.

Forward rotation maximizes acreage mowing capacity. Reverse rotation provides even finer shredding.

A full-width rear gauge roller mounts close to the flails to provide positive cutting height control and prevent scalping on uneven ground.

Flails swing back to pass obstructions and can be reversed to extend use life.

For more information on the Ford heavy-duty Model 918H flail mower contact Ford New Holland, Inc., 500 Diller Ave., New Holland, Pa. 17557.

CIRCLE NO. 345

Feldmann makes hitch adapter

Feldmann Engineering and Manufacturing Co., Inc. has announced a new aeration accessory — the 3-point hitch adapter for use with Model 2340-32 or Model 2340-48 core plug pull-behind aerator.

Optional accessory No. 2510 enables use of the tractor's hydraulic power to lower and raise the aerator tines for coring or for over-the-road transport. The adapter is sized for category "0"/"1".

Built of steel angle and bar stock, it is fastened with four bolts to the aerator frame and does not inter-

fere when adding or removing weights for more or less core plug penetration.

Feldmann's new portable hydro-auger will drill through tough soils. It mates directly to the Feldmann power head, using a section of 3/4-inch pipe, and the socket head set screw.

The hydro drilling method employs the erosion principle of moving earth together with mechanical drilling. The kit used with the powerhead eliminates the need to trench through lawns and across streets.

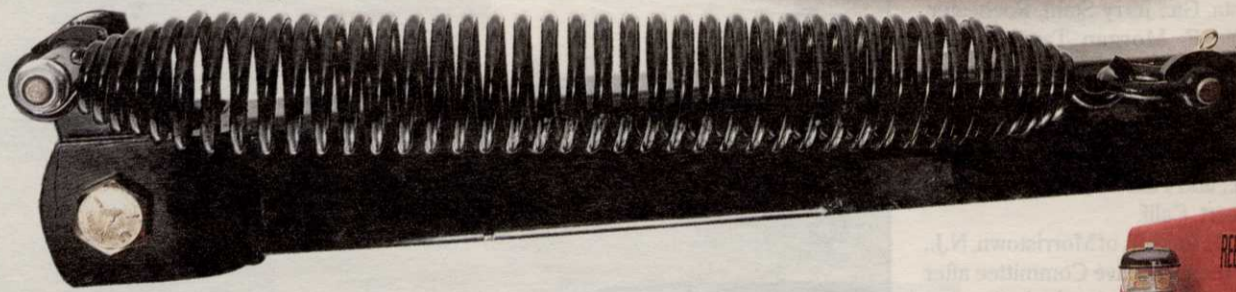
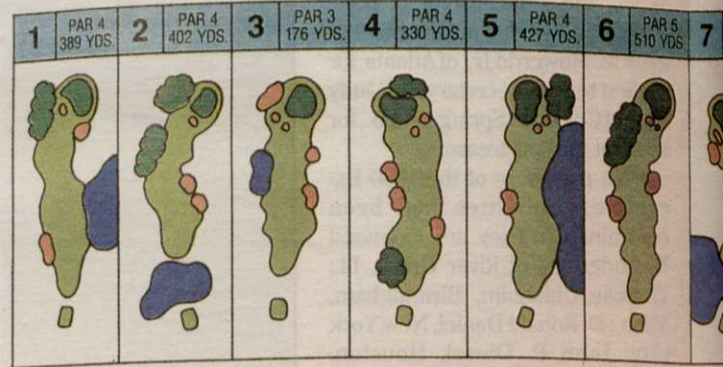
Contact Feldmann Engineering & Manufacturing Co., Inc., 520 Forest Ave., Sheboygan Falls, Wis. 53085-0908 or call 414 467-6167.

CIRCLE NO. 318

The Most Advanced Is Merely A Product

If you've been looking for a lightweight fairway mower that can deliver unsurpassed performance now and well into the future, your search is over. Introducing the Toro Reelmaster® 223-D. No other mower knows your fairways better. And through conditions of all kinds, the Reelmaster 223-D gives you the productivity and consistent quality of cut you've been striving for.

To meet golfers' rising standards, the 223-D combines superior technologies: It begins with an exclusive positive down pressure system. The system, adjustable at 4 positions in 8 lb. increments, helps to maintain the reels in position over varying contours for a smooth, consistent cut.



Next is the exclusive design of the cutting units. An easy rear roller adjustment changes height of cut from 1/4" to 3/4" while maintaining the correct bedknife angle. This assures consistent cutting quality throughout the height of cut range. Quality golfers can't help but notice.



Just a twist of two dials is all it takes to adjust reel speeds. This allows you to tailor your clip length to your specific turf conditions and height of cut at the mowing speed you find most productive.





Worksaver landscape rake

Landscape rakes level top soil

The new PLR Series of pull-type landscaperakes from Worksaver, Inc., can be used for landscaping, soil preparation, leveling and a variety of maintenance jobs.

The rakes permit close work around fences, walls and other objects.

Engineered with an adjustable clevis type hitch, the rakes fit most tractor hitch points and are designed for 10- to 22-hp tractors.

Other features include five angle positions, heavy-duty, heat-treated tines, transport/gauge wheels and an easy-to-reach lever that allows adjustment from tractor seat. A retractable grader blade assembly that locks out

of the way when not in use is optional.

Available in four-, five- and six-foot models, the grader blade is constructed from 1/4-inch steel and has bolt-on end plates that allow the blade to be used for leveling.

The rakes are available in three models. Model PLR-24 is a four-foot configuration designed for tractors up to 18 hp. Model PLR-25 is a five-foot unit designed for 10- to 22-hp tractors, and Model PLR-26 is a six-foot configuration for 10- to 22-hp tractors.

Contact Worksaver Inc., P.O. Box 1000, So. State St., Litchfield, Ill. 62056 or call 217-324-5973.

CIRCLE NO. 306

Amiad unveils new water filters

Amiad U. S. A. Inc. has unveiled a new line of electrically operated, automatic 8- to 14-inch filters for use primarily at golf courses.

Filtration is accomplished when particles are trapped by the stainless steel screen. Partial blockage causes a pressure differential between the filter inlet and outlet, activating the self-cleaning mechanism when the differential reaches 4 psi.

During the cleaning operation a hydraulic valve automatically opens while revolving brushes dislodge the particles trapped on the screen. They are flushed out through the open valve for 15 seconds without disrupting the continuous water flow through the filter.

Contact Amiad U. S. A., Inc., P.O. Box A, Reseda, Calif. 91337 or call 800-969-4055.

CIRCLE NO. 330.

Con/Span lowers maintenance cost

The load-carrying capacity and structural performance of Con/ Span's patented arch-box shape is particularly significant in the new 28-, 32- and 36-foot series.

The precast units are custom manufactured for site and loading requirements, then delivered and set in place within hours. The buried concrete structure and clear waterway opening eliminates most bridge maintenance costs.

Contact Con/Span Culvert Systems, 1563 E. Dorothy Lane, Dayton, Ohio 45429 or call 800-526-3999.

CIRCLE NO. 336

Ransomes adds safety equipment

Seeking to enhance safe equipment operation practices, Ransomes Inc. has designed operator present controls for Bob-Cat Mid-Size machines manufactured before 1989.

When the blades are engaged, the controls automatically stop the engine if the operator's grip on the handle is released. This stops the motion of the blade. The new controls help assure the operator uses good safety practices.

Conversions are available through authorized Ransomes/Bob Cat dealers.

CIRCLE NO. 335

Mulcher adapts to Deere mowers

A new leaf mulcher kit from John Deere & Co. can be placed in the mower discharge opening.

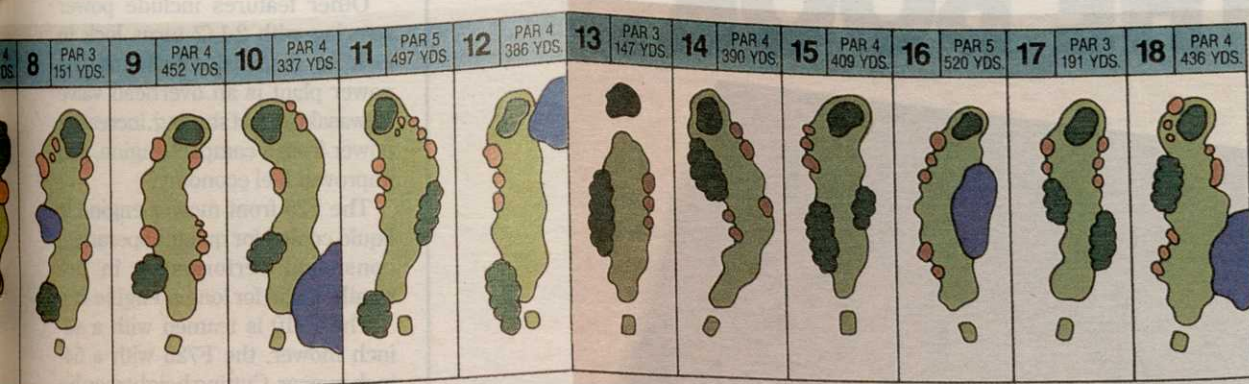
The attachment holds dry leaves in the mowing chamber so the cutting blades can chop them into tiny particles. The leaf particles are then blown into the turf.

The new attachment can be added to the 48- and 54-inch walk-behind mowers and the mowing decks of F710 and F725 foot mowers.

Contact Deere & Co., John Deere Road, Moline, Ill. 61265.

CIRCLE #341

Mower Ever Designed Of Its Environment.



The design of the Reelmaster 223-D has produced a new standard that other lightweight mowers are sure to follow. It's built cleanly and efficiently for smooth operation and easy servicing. All controls are conveniently arranged in one easy-to-reach location.

Maneuverability is unsurpassed due to a short wheelbase and precise, full-power quad-link steering. A taller tire design gives you greater traction with less compaction and faster turning without scuffing.

Golfers expect a well-groomed playing surface. And their standards are rising. Only the Reelmaster 223-D can handle the job. From bent grass to Bermuda, hills to contours, no other lightweight fairway mower gives you this kind of productivity, quality of cut or superior turf. Call your local Toro distributor for a demonstration. Or contact Toro at the address below.



TORO

The Professionals That Keep You Cutting.

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CIRCLE #165/GCSAA BOOTH #3001



John Deere LX178 Mower

John Deere introduces four new tractors

John Deere & Company, Moline, Ill., has introduced a series of four premium lawn tractors providing many unusual features.

Three hydrostatic "no-clutch" models include two foot pedals to control direction and speed — an industry exclusive. One model is powered by a liquid-cooled v-twin-cylinder gasoline engine. Another model is teamed with a 48-inch mower deck designed for easy on and off.

All four models are powered by John Deere K-Series overhead valve engines with full-pressure lubrication and oil filters for long engine

life. Overhead valve design delivers more power from a compact engine and improved fuel economy.

The two-pedal foot control relieves fatigue on a long mowing job because operators can rest their heels on the deck platform and pivot easily between pedals.

A new hydro interlock system provides an extra margin of safety by prompting the operator to lock the parking brake and shut off the mower drive (PTO) before leaving the seat when the engine is running.

The new series has been designed with comfort in mind. A con-

toured seat provides more low back support. Leg room has been increased, and an operator platform free of obstructions makes the tractor easy to mount and dismount. Steering effort and turning radius have been reduced, and control switches and levers have been redesigned to make them handier.

A new 48-inch mower deck is said to increase productivity dramatically on the 17-hp model.

Deere also has announced two new front mowers: the 17.5-hp F710 and the 20-hp F725.

On both models, a hydrostatic transmission controlled by two foot pedals allows the operators to keep both hands on the steering wheel and both eyes on the job.

A hydraulic weight transfer system permits the operator to transfer mower deck weight from the deck's caster wheels to the unit's drive wheels for improved traction and reduced caster wheel tracking. A differential lock increases traction on hillsides and in wet areas. The operators can change mower cutting height by turning a single crank handle at the front of the mower deck.

Other features include power steering with 2-1/2 turns lock to lock for responsive handling. The power plant is an overhead valve Kawasaki for fast starting, increased power from a compact engine, and improved fuel economy.

The F25 front mower engine is liquid cooled for quieter operation, consistent performance in hot weather, and for longer engine life.

The F710 is teamed with a 48-inch mower, the F725 with a 54-inch mower. Cutting height may be adjusted from 1 to 4 inches.

For more information contact Deere & Co., John Deere Rd., Moline, Ill. 61265.

CIRCLE NO. 340

BEFORE YOU BUY JUST ANY BENTGRASS, GO BY THE BOOK.



Phone 1-800-547-0255 today for your complimentary copy of the Penn Pals catalogue. You'll see why Penncross, Penneagle, PennLinks and Pennway blend set the standard for bentgrass on golf courses.

Tee-2-Green Corp.

PO Box 250, Hubbard, OR 97032

FAX 503-981-5626

1-800-547-0255

CIRCLE #158/GCSAA BOOTH #718-726

Toro improves mower traction

The Toro Co. has introduced a new hydrostatic-drive option for 14-horsepower and 18-horsepower mid-size, walk-behind mowers as part of an expansion that includes new products in the ProLine lineup.

Hydrostatic drive improves traction because there are no belts. Other key benefits include zero-radius turning, instant reverse and lower maintenance.

The Toro hydrostatic drive features two Sundstrand pumps and two Ross wheel motors with ball bearings and tapered output shafts for increased durability. The unit also features a hydraulic oil cooling system for longer life.

Another development for mid-size walk-behinds is a new operator-presence control, which automatically places the traction system in neutral and disengages the blade. The engine remains running.

For more information, write The Toro Company, ProLine Products, 8111 Lyndale Ave. South, Minneapolis, Minn. 55420.

CIRCLE NO. 329



ECC Waste Oil Containment System

Waste oil containment prevents spills

Portable secondary containment for drummed waste oil now is available from Environmental Container Corporation.

Steel Enviropac open dikes and covered vaults provide this secondary containment for two or four 55-gallon drums.

In addition to eliminating the potential liability from leaking drums, the system provides a sump to catch potential environmental spills during the filling of drums. Safe storage is provided until the drums are picked up.

Contact Environmental Container Corporation, P. O. Box 161, Delafield, Wis. 53018. or call 800-729-7137.

CIRCLE NO. 307

Kubota mower gets new engine

Kubota's new F2400 front mower is equipped with a 24-hp, vertical, liquid-cooled, 4-cycle, 3-cylinder diesel engine.

The F2400's hydrostatic transmission (HST) works together with the front differential lock and 4WD to provide powerful traction and allow for smoother operation on uneven or slick terrain.

A tight 60-degree rear wheel turning angle and off-set cutting ability makes it easier to mow around the base of bushes and trees.

The new mower ensures good visibility and ease of operation. Main levers and indicators are conveniently located. The F2400's tilt steering wheel, combined with power steering, reduces operator fatigue.

Contact Kubota Tractor Corporation, 550 West Artesia Boulevard, Compton, Calif. 90220.

CIRCLE NO. 312

Signs made from recycled metal

Signs and Blanks, Inc. announces availability of signs manufactured from 100 percent recycled aluminum.

This new alloy, a recent innovation in aluminum technology, is compatible with current highway sign requirements.

In addition, recycled aluminum signs are ideal for other sign needs, including mass transit, parks and recreation areas and utilities.

For more information, contact Signs and Blanks, Inc., P. O. Box 2234, Akron, Ohio 44309-2234. or call 800-837-2245.

CIRCLE NO. 311

Irrrometer system has four zones

Irrrometer Co., Inc. has introduced a new soil moisture control system for automatic landscape irrigation systems.

The Watermark four-zone moisture control panel interfaces with any standard 24 VAC irrigation controller.

An irrigator can divide the valves on a controller into as many as four "zones" representing various irrigation needs, such as turf versus shrubs, full sun versus shade and top of a slope versus toe of a slope.

Each "irrigation need" zone then has its own moisture sensing station, which in turn controls the valves which irrigate that "irrigation need" zone.

Each zone can be independently adjusted and fine-tuned at the panel for desired moisture level.

The panel also features a bypass capacity switch for manual override of the sensor control.

Contact Irrrometer Co., Inc., Dept. WCP, P.O. Box 2424, Riverside, Calif. 92516-2424 or call 714-689-1701.

CIRCLE NO. 331

New bio-fertility product available

Turftech II, a new bio-fertility product, will be introduced by Soil Tech at the Golf Course Superintendents Association of America Conference and Show Feb. 9-12 at Las Vegas, Nev.

Consisting of dormant microorganisms in a wettable powder, it can be used with any type of grass to enhance soil-plant relationships.

When applied to the soil, these legume-like microbes produce organic compounds which include nitrogen from

nitrogen fixation, polysaccharides, organic acids and plant growth stimulating hormones.

The product is spray-applied at 45- to 60-day intervals during the growing season.

This natural process is ecologically safe and poses no threat of phytotoxicity.

Combining nitrogen-fixing bacteria with the soil-aggregating agent polysaccharide, Turftech II is considered a breakthrough in soil management.

Contact Soil Technologies Corp., P.O. Box 1415, Fairfield, Iowa 52556 or call 515-472-3963.

CIRCLE NO. 333

To Get Better Pythium Protection You'd Have To Take In The Turf At Night.



When Pythium conditions are right, you can either take in the turf or take out the best Pythium control money can buy: CHIPCO® ALIETTE® brand fungicide. CHIPCO® ALIETTE® brand is unlike any other Pythium-prevention fungicide. Its true systemic action spreads protection throughout every blade of turfgrass, including the roots. Protection that lasts up to 21 days from a single application.

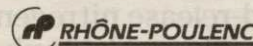
Plus, the unique chemistry of CHIPCO® ALIETTE® brand actually stimulates turf's natural ability to fight off infection.



So you get two-way protection that can't be beat. Now add to that the fact that a foliar application of CHIPCO® ALIETTE® brand prevents

Phytophthora and Pythium on a wide variety of ornamental and landscape plantings, and you've also got the most versatile fungicide on the market today. So when conditions are right for Pythium, don't roll up the turf, lay down CHIPCO® ALIETTE® brand fungicide.

Chipco® Aliette®
Brand Fungicide



Rhône-Poulenc Ag Company, 2 T.W. Alexander Drive, Research Triangle Park, NC 27709. For additional product information, please call: 1-800-334-9745.

As with any crop protection chemical, always read and follow instructions on the label. CHIPCO and ALIETTE are registered trademarks of Rhône-Poulenc. © 1990 Rhône-Poulenc Ag Company.

CIRCLE #167/GCSAA BOOTH #830

New cab now available for Cushman utility vehicle

Cushman has announced a new fiberglass cabin for its GT-1 utility vehicle.

The cab provides security for the operator and his equipment, plus protection against inclement weather.

The durable one-piece fiberglass cab, designed specifically for the GT-1, is available with galvanealed steel doors and high quality paint finish to minimize rust and fading.

The doors have double-catch

safety latches, lockable for improved security. Doors also have sliding, safety glass windows, to eliminate the problem of scratching.

A front air vent permits flow-through ventilation. An optional roof vent is available. Acoustic foam insulation in the roof, back and floor panels reduce noise.

The GT-1 cab attaches so that the vehicle box can be easily tilted for inspection and service.

Other options include a dome light, vinyl doors and tool box.

Capacity is 1,200 pounds, yet is only 45-1/2 inches overall in width and 105 inches overall in length. Maximum speed is 12 mph and the vehicle seats two.

For details and pricing, contact a Cushman dealer or write: Cushman, Inc., P. O. 82409, Lincoln, Neb. 68501 or call 800-228-4444.

CIRCLE NO. 302



Cushman utility vehicle cab

New Ditch Witch trencher ready

The first all-hydraulic modular trencher/plow has been introduced by Ditch Witch.

The 50-HP class Model 5020 has a hydraulic digging chain/vibratory plow drive.

The 5020 is available with a full complement of Modularmatic work modules, including backhoe, vibratory plow and combo attachments.

Digging attachments use power-efficient hydraulic components that maximize torque for greater productivity.

The digging module drive uses a double reduction gearbox and is available in three speed options for hard, standard or easy digging conditions.

The vibratory plow module requires no daily maintenance because of its dry rotating eccentric weights. A hydraulic plow swing adds controllability when working on slopes.

For more information contact The Charles Machine Works, Inc., P. O. Box 66, Perry, Okla. 73077 or call 800-654-6481.

CIRCLE NO. 303

Dol overseeder quickens job

Dol Brothers has introduced the DB-Ov200 commercial overseeder.

The OV 200 will overseed up to 20 acres per day. Incorporating a double row of staggered seeding discs has made possible seed row spacing of 1-1/2 inches.

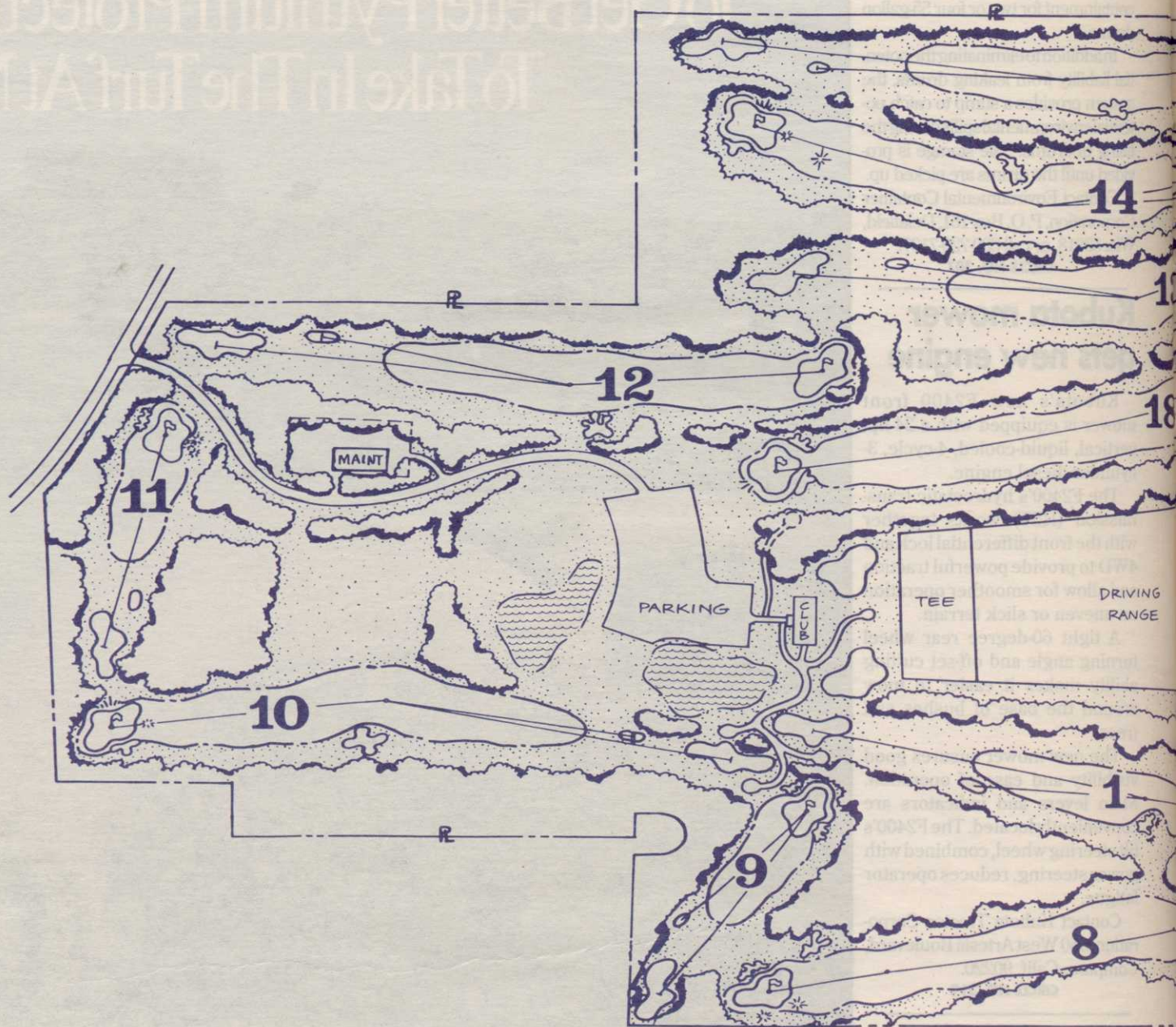
Each of 43 seed planters is individually sprung so that the seeding depth remains constant, regardless of ground contours. The double disc seed placement system ensures precise seed placement for maximum germination.

This system will cut through thatch or compacted soil without the necessity of being preceded by a vertical mower. This leaves the playing surface virtually undisturbed and ready for immediate use.

The machine is easily calibrated for all types of turf seeds and may be used for subsoil placements of granular materials such as insecticides.

For more information contact Dol Brothers Ltd., R. R. #4, Cookstown, Ont., LLO 1L0 or call 705-458-4353.

CIRCLE NO. 304



You've designed the ultimate floor

Compared to all the work that goes into building a golf course these days, choosing the seed and fertilizer is simple.

You simply choose the proven, the failsafe, the best. Scotts® HD Starter® Fertilizer and PennPals® bentgrass seed.

HD (for high density) Starter Fertilizer gives new seedlings everything they need, except sunshine and water. It provides controlled-release nitrogen in proper balance with readily-available phosphorus and potassium

to promote vigorous seedling growth and root development. And its homogenous, free flowing, high density particles provide even distribution of required nutrients.

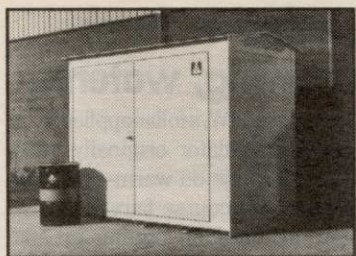
You don't have to worry about it burning or quitting early, either. HD Starter uses a readily-available phosphorus source (monoammonium phosphate) to stimulate rapid response and safely transform newly seeded areas into thick, attractive turf. While controlled-release nitrogen assures sustained, vigorous top growth.

Steel buildings store hazardous materials safely

A new line of prefabricated steel buildings designed for the storage and handling of hazardous materials now is available from X. S. Smith, Inc.

The buildings qualify as secondary containment structures to comply with federal, state and local regulations to prevent spills or leaks from contaminating groundwater.

The buildings are suited for storing pesticides, herbicides, growth retardants, fertilizers and other horticultural and agricultural



Smith's steel containment building products.

All units feature heavy duty steel construction, a chemical-resistant epoxy finish, require no additional foundation or support, with explosion relief roof panels and vents for cross flow and gravity ventilation.

Contact X. S. Smith, Inc., Drawer X, Red Bank, N. J. 07701.

CIRCLE NO. 315

Kubota launches Verti-Reel product

Kubota Tractor Corporation has launched the Verti-Reel product line, complete mowing and cutting units for total turf maintenance.

Ideal for golf courses, sports fields, sod farms and other commercial mowing applications, this line features 5-gang and 7-gang units.

The 5-gang unit is designed for use with the L3250F turf special tractor, the 7-gang unit with the M4030SU turf special tractor.

The power pack, mounted on the tractors' 3-point hydraulic hitch, enables the operator to

clearly view clearly the cutting reels.

The 5-gang reel has a cut blade reel mower easily converted to a vertical cutting unit.

Heavy-duty, reversible blades with close spacing for efficient thatch removal ease vertical cutting.

The 7-gang mower heads have eight blades and 7-1/2-inch diameter reels that clip every 1/4-inch of turf. Reel speed is adjustable from 210 to 1400 rpm, independent of ground speed.

Contact Kubota Tractor Corporation, 550 West Artesia Boulevard, Compton, Calif. 90220.

CIRCLE NO. 327

Club washer cleans irons fast

Par Aide has introduced a simple, versatile club washer for dirty irons.

The club is scrubbed front and back by a pair of brushes that remove dirt and grime in seconds.

The washers are ideal for par 3 tees, mounted below the ball washer in tandem with a spike brush or shoe cleaner. They are appreciated on driving ranges and practice tees, mounted right on the ground.

Mounted on any rigid, vertical surface, many courses have installed them near the clubhouse or locker room entrance. They even mount on golf carts.

Each washer comes with a flanged base for mounting on horizontal surfaces. For mounting on vertical surfaces, there is an optional mounting bracket.

Contact Par Aide Products Company, 3565 Hoffman Rd. East, St. Paul, Minn. 55110 or call 612-779-9851.

CIRCLE NO. 321

HP markets new rotary mower

Howard Price Turf Equipment has introduced its 1260 Turf Blazer rotary mower.

A combination of a 60-inch mower out front and two 38-inch hydraulically operated wings provides 75-percent capacity over a standard 72-inch mower.

The wings are strategically located in line with drive wheel pivot point for maximum trimming capabilities, even under trees and bushes. It has a 4-cylinder, water-cooled, 40-hp diesel engine in conjunction with hydrostatic transmission.

Contact Howard Price Turf Equipment, 18155 Edison Avenue, Chesterfield, Mo., 314-532-7000.

CIRCLE NO. 310

Lofts introduces new bluegrass

Lofts Seed Inc. has introduced an unusually aggressive Kentucky Bluegrass.

Princeton, P-104 is so vigorous that only five to 15 percent completely dominates a sod blend in two to three years. Only five per cent seeded today can be 100 percent within a few years.

Contact Loft Seed Inc., Bound Brook, N.J. 08805-0146 or call 201-356-8700.

CIRCLE NO. 326

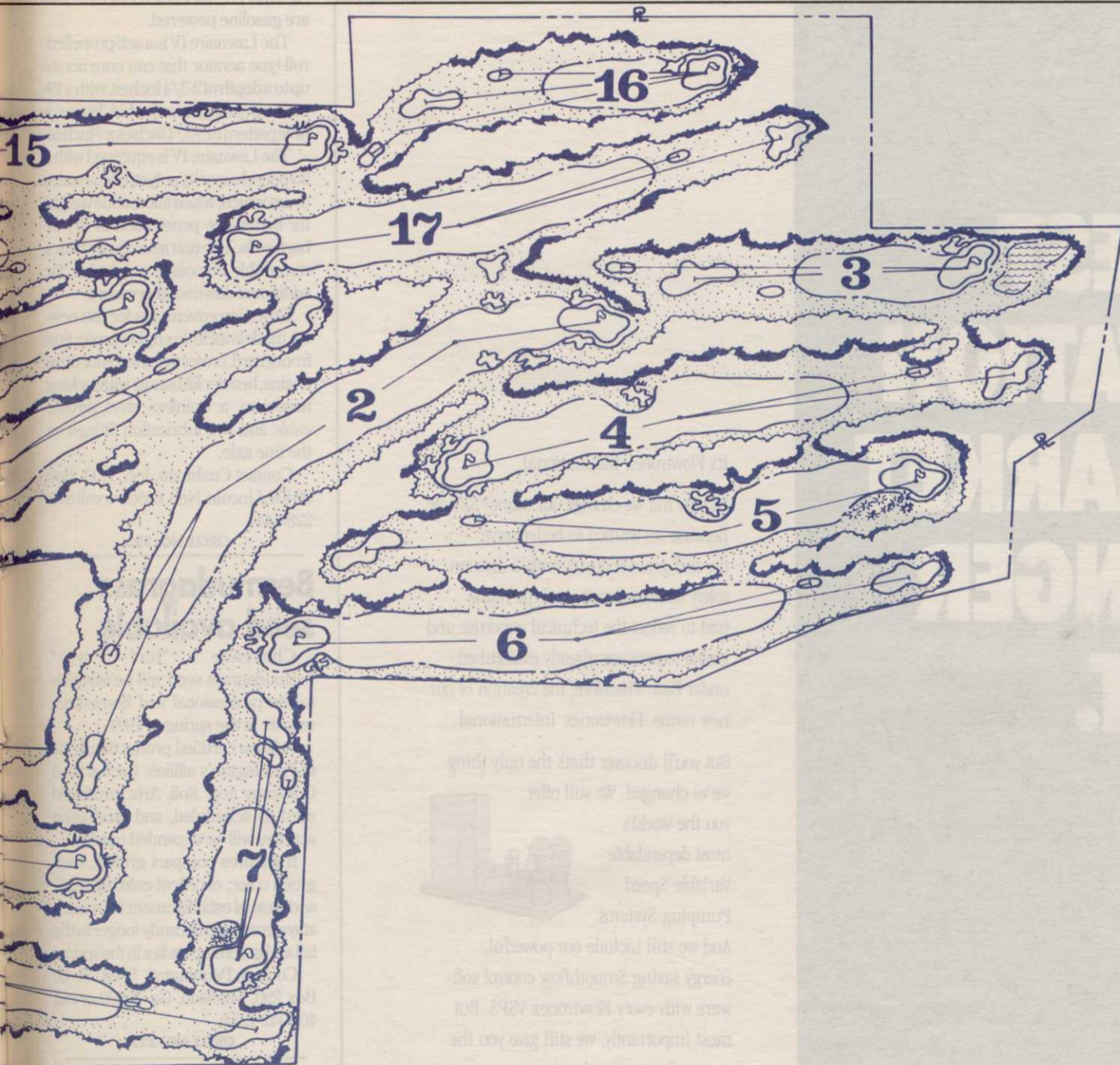
Kwik-Trench improves trencher

Kwik-Trench Earth Saw has introduced an all-new model K-T 200 double V-belt drive portable trencher.

The V-belt drive system eliminates engine vibration and any PTO damage due to operator abuse in problem digging areas. It will cut a 6-inch root in seconds and still leave a clean trench.

Contact Kwik-Trench Ditch Digger, P. O. Box 987, Lehigh Acres, Fla., or call 800-327-4997.

CIRCLE NO. 313



plan. Don't skimp on the carpeting.

But, of course, no matter what fertilizer you use, you have to start with the best seed. Penncross, Oregon Blue Tag Certified Seed, is the standard of the industry. For thirty-five years it's proven itself through heat, drought, snow and flood as the premium surface for greens, tees and fairways.

Your Scott Tech Rep—a trained agronomist—can help you design a seeding and fertility program to fit your exact floor plan and your budget. Which makes it seem silly to consider

anything else. Because the way we see it, designing a golf course and skimping on the turf is like designing a swimming pool and skimping on the water.



© 1989 O.M. Scott and Sons. *Penncross, Penneagle, PennLinks and Penway blend from Tee-2-Green Corp.

CIRCLE #168/GCSAA BOOTH #240

Dixon mower speeds work on course

Two 50-inch cut ZTR riding mowers, the ZTR 502 and ZTR 503 HG, mark the Series 500 mowers in Dixon Industries' 1991 line.

Both feature Sundstrand BDU piston-type hydrostatic drive transmission with continuous fluid recirculation to help prevent overheating and stalling under grueling conditions.



Dixon ZTR Riding Mower

Both also have quick-release flip-up bodies for easy maintenance and servicing, and both

are designed with six-way seat adjustment for operator comfort.

A 20-hp Kohler engine powers the ZTR 503 HG.

Independent hydro-gear units on each drive wheel are sealed in a self-lubricating assembly.

The combination delivers a smooth, quiet turning radius operation.

ZTR 502 is powered with an 18-hp Kohler engine and chain drive to the rear wheels.

Contact Dixon Industries, Inc., P. O. Box 1569, Coffeyville, Kan. 67337-0945 or call 800-635-7500.

CIRCLE NO. 305

Cutless reduces mowing, watering

Cutless 50W, a foliar-applied plant growth regulator originally introduced for use on warm- and cool-season golf course fairways, also may be used on putting greens, bunkers, tees, green collars, around traps and cart paths, and on hard-to-mow areas.

It can reduce turfgrass water use. A Type II plant growth regulator, it suppresses vertical turf growth but has little effect on other processes such as seedhead development.

Vertical foliar growth is reduced due to suppression of gibberellic acid. Turfgrass grows thicker and

more competitive.

Cutless is absorbed by the plant's leaves and roots after irrigation or rainfall.

Contact DowElanco Specialty Products, 4040 Vincennes Circle, Indianapolis, Ind. 46268-3030 or call 317-870-7126.

CIRCLE NO. 324

Lawnaire has several options

New Ryan Lawnaire IV aerators come in a choice of engines.

The Lawnaire IV is available with an optional 3.5-hp Honda air-cooled engine. The aerator can be ordered with the standard 3-hp, Briggs & Stratton 1/C air-cooled engine. Both are gasoline powered.

The Lawnaire IV is a self-propelled, roll-type aerator that can core aerate up to a depth of 2-3/4 inches, with a 19-inch operating swath that leaves a hole pattern of 3-3/4 inches x 7 inches.

The Lawnaire IV is equipped with a 55-pound capacity polyethylene water drum which, when filled, adds weight for better tine penetration in dry or hard soils. The unit also comes with a removable 38-pound weight bar for additional downward pressure.

Other improvements for the newest models include engine-protecting frontguard, protective shields for drive chains, heavier lift handle with locking hardware, a stainless steel throttle cable and two lubrication fittings on the tine axle.

Contact Cushman, Inc., P. O. Box 82409, Lincoln, Neb. 68501 or call 800-228-4444.

CIRCLE NO. 323

Bermudagrass seed available

Cheyenne "turf type" bermudagrass seed will be available to the professional and home lawn market in the spring of 1991.

Arizona certified production fields at Pennington's affiliate Cactus Seed Company near Roll, Ariz., produced seed as scheduled, and production acreage will be expanded quickly.

It features compact growth, dark green color, excellent cold tolerance and ease of establishment for seed. It stays green significantly longer in the fall and greens up earlier in the spring.

Contact Pennington Seed, P. O. Box 290, Madison, Ga. 30650 or call 404-342-1234.

CIRCLE NO. 322

Improved Walk-R-Ide on market

Terracare has introduced a redesigned Walk-R-Ide, WR 11.

The revised model has 70 aerating tines or deep spiking tines. Tines are free swinging and are mounted on an individual disk for easy turning with a minimum of turf damage.

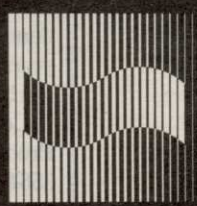
The Walk-R-Ide has an aerating width of 18 inches and is powered by an 8-hp Briggs & Stratton engine.

A quick lift from aerating position to transport is a special feature.

Contact Terracare Products Co., Inc., P. O. Box 506, Pardeeville, Wis. 53954 or call 608-429-3402.

CIRCLE NO. 316

THE BEST PUMP STATION ON THE MARKET IS NO LONGER BEST.



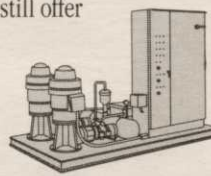
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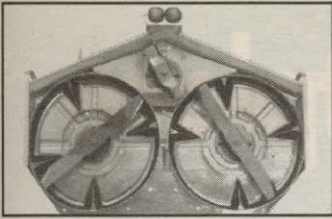


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So if you're in the market for the best pump stations available, remember Flowtronex International. It's the name that's better than Best.

For more information call
1-800-537-8778 or write
Flowtronex International
P.O. Box 7095 Tyler, TX 75711.

CIRCLE #169



Toro 48-inch Recycler

Toro's ProLine debuts Recycler technology

Recycling grass clippings is no longer something that concerns only homeowners.

Toro is introducing several Recycler ProLine products that leave lawns looking professionally cut without bagging.

Models new for 1991 include: a 21-inch heavy-duty Recycler walk-behind mower, a 48-inch Recycler deck for walk behind and riding products, and a recycling kit for 32-inch mid-size walk-behind mowers.

There has been fear among homeowners and commercial cutters that leaving grass clippings on lawns will cause thatch buildup," noted ProLine marketing manager Jim Wallace.

"Also, there is concern about the final appearance of an unbagged lawn because existing mulching mowers will not leave the lawn looking as if had been bagged. Toro's Recycler mowing technology will solve both problems."

The new 48-inch deck is designed to accommodate all conditions where 44-inch and 52-inch side-discharge decks with or without baggers are used.

The 48-inch Recycler deck features a multiple spindle design with two recycling chambers and a center blade to cut the overlap.

The 21-inch Commercial Recycler comes with a bag for use when bagging is required. The unit features a commercial-grade rear-wheel drive and is CPSC certified. It is powered by a two-cycle Suzuki engine. Recycler conversion kits will be available for existing Toro commercial rear-bagging mowers.

The final element of the Pro-Line yard-refuse product teams is a Recycling conversion kit for 32-inch decks. It contains Recycler deflectors, a special blade and a metal shield that goes over the side-discharge chute.

For additional information, write: The Toro Company, ProLine Products, 8111 Lyndale Avenue South, Minneapolis, Minn. 55420.

CIRCLE NO. 301

New sand rakes easier to find

Sand traps must be maintained, but misplaced rakes are a problem.

Frank Venezia of Philadelphia, Pa., has invented the Sand Stand to end that annoyance. Early response has been most favorable.

For more information on Sand Stand contact National Idea Center, 4545 42nd St., NW, Washington, D. C. 20016.

CIRCLE NO. 320

New attachments from Bobcat

The Melroe Company has introduced two earth auger attachments for use on its Bobcat loaders.

A unique knuckle-joint style of linkage makes it easy to position the auger with plumb-line accuracy, regardless of the terrain or position of the machine.

The Bobcat auger is available in model 12, for standard applications, and 18, for tougher digging applications that require higher torque.

Auger bits range from six to 30 inches in diameter, with a digging depth of more than four feet.

The model 843B skid-steer loader is Melroe Company's latest product.

The 843B features a four-cylinder, 169-cubic-inch, liquid-cooled Isuzu diesel engine rated at 54 hp. A rated operating capacity of 1,700 pounds and tipping load of 3,420 pounds makes the 843B useful in markets ranging from construction, rental and industry to agriculture and agribusiness.

More than 20 attachments are available.

Contact Leroy Anderson, Marketing Communications, Melroe Company, P. O. Box 6019, Fargo, N. D. 58108 or call 701-241-8700.

CIRCLE NO. 309

ParCar unveils 1991 features

New features on 1991 Columbia ParCars are a centrally located ball holder for convenience of both golfers and slightly more angled seat backs for golfer comfort.

The Classic model features an angled back rack with a tilt-up rear body. The Legacy features exclusive clam shell rear body style.

Other features common to both

are dash-mounted safety directional key switch, 2-cycle engine, speed control module and speed balanced rack and pinion steering with front wheel camber adjustment.

Contact Columbia ParCar Corp., P. O. Box One, One Golf Car Road, Deerfield, Wis. 53531 or call 608-764-5474.

CIRCLE NO. 319

Plant feeder works on turf or garden

Peters Plant Food of Milpitas, Calif., has introduced the Peters Professional Lawn & Garden Feeder.

This gardening tool is equipped

with a unique all-in-one dual nozzle with two spray patterns — one for lawns and one for flowers and plants.

CIRCLE NO. 325

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