



# gcsaa

The increasing number of golf courses being built each year is reflected in the various industry shows. And the 40th International Turfgrass Conference & Show bears this out quite well. Superintendents across the country will attend a much bigger show this year. At press time, 120 exhibitors had contracted for space compared to 109 last year. But that's just part of it.

The super can really wear out his shoes if he wants to. He will be able to visit 298 booths covering 31,800 square feet. This is an increase of 44 booths and 11,276 square feet from the previous show's 254 and 20,524, respectively.

Supplementing this will be talks by about 40 speakers on a wide range of topics. They will try to humor the super ("Humor and Life" by Dr. Frank Goodwin), inform him ("Poa Annuua in the South" by Dr. Evert Burt and "Poa Annuua in the North" by Dr. James B. Beard), and prepare him ("What to Look for in the Future" by Joseph J. Donoghue), among other things.

As for new products, a count of how many are displayed each year is never taken because it involves too much work for the limited manpower available. However, it is obvious that since there are a greater number of exhibitors and booths that there will be more new items.

GOLFDOM has been able to obtain a run-down of many of the new products you will be seeing at the show. Following is an advance preview of these show products.

**Golf cars**



**Club Car** offers the Four-Bagger, a 103-inch long, 50-inch wide golf car. Weight is 710 pounds. The car is converted to a four-bag vehicle by buying the four-bag attachments, drilling two holes in the fiberglass body on both rear fenders and drilling two holes on each side of the rear bumper. It can also be rented for two or three bags.

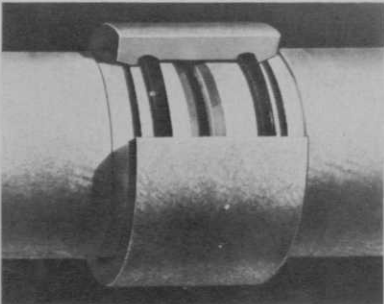


**E-Z-Go Car Division** is showing three- and four-wheel (models X-440, X-444) electric golf cars. The cars measure 90 inches long, 47 inches wide, 45 inches high and have a loading capacity of 800 pounds. The frame is rectangular steel tubing; the body is constructed of steel panels, and the seats are foam rubber over wrapped



coil springs. Colors are red, blue, green or white. Accessories include automotive-type steering, top frame and cover, lights, horn, chrome hub caps, tow hitch and bar and a radio.

**Irrigation equipment**

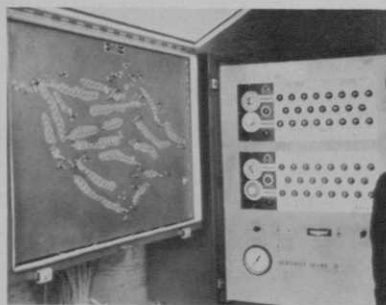


**Certain-teed Products Corp. Pipe Div.**, manufacturers of Type 1 PVC solvent weld utility piping, introduces a gasket joint piping system called Fluid-Tite PVC. Couplings come in 9-inch uniform lengths, 1½ to 6 inches wide and are shipped separately from pipe to prevent freight damage.



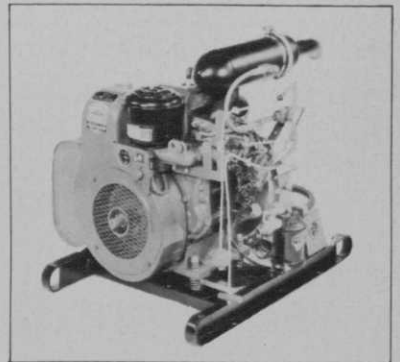
**Soilmoisture Equipment Corp.** announces the Turf-Probe, which measures at two levels soil moisture for plant growth. The readings are in centibars of soil suction and are independent of soil type, temperature

or salinity. The unit is self-contained, requires no batteries, adjustments or calibrations and consists of probe, coring tool and stand. All parts are corrosion proof; the gauges are hermetically sealed. Parts and workmanship are guaranteed for one year. Price: \$90 f.o.b. Santa Barbara.



**M.O. Mattwell, Inc.**, presents the Central Irrigation Controller, which regulates water at each sprinkler head within close limits and can syringe greens, tees and fairways without interrupting play. The control panel is color-coded to each control valve so that one or more sprinklers can be operated manually, automatically or disconnected. A telephone-type switchboard provides fast communication for any changes in the sprinkler program. A re-cycling device allows up to 11 light watering cycles.

emergence herbicide packaged in a 24-pound box and is especially recommended for use on 123 species. It is also recommended for control of chickweed, foxtail, lambsquarters, purslane, Poa annua and goosegrass.



**The J.J. Dill Company** handles the London Fogger in three models for mosquito control. Model 25 is powered by a 12hp engine, weighs about 225 pounds, and has an output of 20 to 25 gallons an hour. Model 50 is powered by an 18hp engine, weighs about 350 pounds and has an output of 30 to 35 gallons an hour. Model 100, weighing about 650 pounds and powered by a 37hp engine, has an output of 70 to 75 gallons an hour. J.J. Dill Company also publishes a 16-page book on specific turf care needs and is available free to people in charge of maintenance of turf for golf courses.

**Turf products**

**Diamond Shamrock Chemical Company** introduces a turf formulation, package and revised pricing structure for Dacthal. The Dacthal W-75 For Turf is a 75 per cent wettable powder formulation of the company's pre-

**Elanco Products Company** offers Balan Granular pre-emergence herbicide for control of annual weedgrasses in established turfgrass. New this year is the recent clearance from the USDA to add control of Poa annua to the claims and uses of the herbicide.

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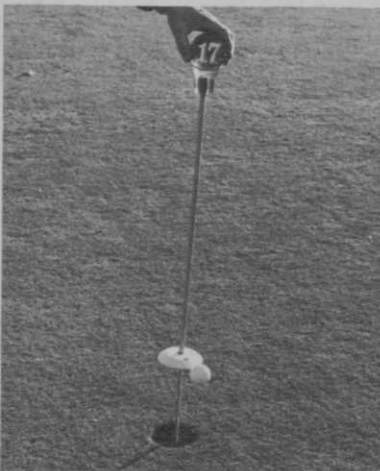
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**Mallinckrodt Turf Products** introduces Vitalon, a turf and ornamentals foliar colorant, which consists of a water-based vinyl-acrylic preparation. According to the manufacturer, Vitalon color will last through a winter season, will not rub off or stain and is safe on all growing or dormant plants. It is non-flammable, harmless to humans and pets and odorless. Mallinckrodt will show again the Spray-Hawk mobile turf sprayer, first introduced in 1967.

**Stauffer Chemical Company** makes Princess Betasan, a pre-mergence herbicide for crabgrass and *Poa annua* control, now approved for fall application, for the control of crabgrass the following spring and summer in either the liquid or the granular formulation.

**Thuron Sprayer Mfg. Company** makes a fiberglass sprayer tank called New Lark-100 Sprayer. The tank holds 100 gallons and has 40 GPM centrifugal pump with 50 psi pressure and 3hp engine. Both sprayer and boom can be adapted to fit any type of Truckster.

## Accessories



**Fore-Par Mfg. Company** offers tee-to-green accessories. New this year are a greens flag, Quick Change, with built-in tubular swivel and a ball ejector practice green marker. The flag has a polyethylene tube sewn into the hoist portion. To change flags, the nut at the top of the pole is unscrewed, the flag slips off and is replaced with the new one. The Practice Green Marker is 28 inches high and is available in white with molded green numbers or in clear amber with white numbers. When the marker is raised, the ball ejects onto the putting green.

## Maintenance vehicles



**E-Z-Go Car Division** offers the GT-7 truck, which has as standard equipment, double seats with back rests, automotive steering, corrosive resistant dump body, trailer hitch, dual headlights, oil pressure indicator and fuel gauge. Optionals include a ramp loader, spray boom, seed spreader and fiberglass cab.



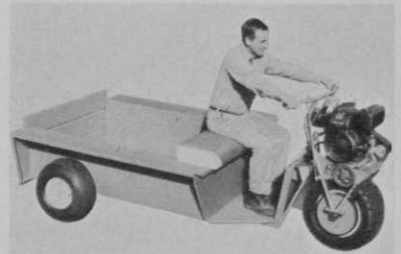
**Gator Trailers Corp.** is showing the Superintendent (model 211) utility trailer for off-highway use only. The trailer is 96 inches long, 54 inches wide, 8 inches high and has a cubic area of 24 cubic feet. Features include: solid steel axle, demountable hubs, tilt bed, chain bed to tongue lock, a winch with poly line and snap hook. Price: \$205 f.o.b. Jacksonville.



**Gravely** is showing two commercial tractors, the Commercial-10A and Gravely-430 Commercial. The Commercial-10A can be ridden or walked and features an all-gear and steel shaft drive and instant controls. New highlights are a self-cleaning feature on the air cooling system, improved balance, larger tires, rear hitch, which makes attaching implements simpler, increased torque, improved clutch. The Gravely-430, a 12 hp riding tractor, has an all-gear drive and steel shaft, extra large gas tank, and three-lamp headlights. Optional are the summer surrey and winter cab.



**Lindig Mfg. Corp.** will exhibit the Model D-15 soil shredder, mixer and screener. Materials are transferred from the hopper on the conveyor belt to the elevated shredding assembly. All materials are shredded, blended and aerated. The unit can be used with an optional screen attachment for high capacity production.



**Smithco, Inc.**, introduces the Ranger-23, an enlarged model of the Red Rider mobile work cart, but with extra features. The three seat vehicle has a rated capacity of 23 cubic feet, a heavy-gauge steel ramp loading tailgate. The carrier floor is 8 inches from the ground. Powered by an 8hp engine, cart runs on a friction clutch.



**Vandermolen Export Company** introduces the Diadem Fertilizer Spreader, model K600, which features a 1,600-pound capacity conical hopper. It also has a centrifugal spinner capable of spreading powder, seeds and granular fertilizer in a 50-foot swath. The width of the spread can be set from 3 to 32 feet. Coverage can be regulated from 4 pounds to 2,600 pounds

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## PGA exhibitors

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Jarman Company  
Jaymar-Ruby, Inc.  
Johnston & Murphy Shoe Co.  
Karsten Mfg. Corporation  
Kimberton Company  
Kountry Klub Sportswear, Inc.  
Kristol Kraft Company  
Kunik Kasuals  
Lamkin Leather Company  
Annie Laurie Originals  
Lemmer-Meyer Co.-Hilstar Corp.  
Jack D. Levine Inc.  
3-M Company  
MacGregor, Consumer Div., Bruns.  
Miller Golf Company  
Motor Appliance Corp.  
National Golf Foundation  
Northwestern Golf Company  
Sam O'Neill Golf Sales  
Original Fur Company

Palm Beach Company  
Arnold Palmer Golf Company  
Gino Paoli  
Parker of Vienna  
Pedersen Golf Corp.  
Peggie By The Sea Originals  
Penfold Golf Balls  
P.G.A. Golf Equipment  
David L. Pransky  
Pro-Shu Company, Inc.  
Puritan Sportswear Corp.  
Ram Golf Corporation  
Reliable of Milwaukee  
The Grant Robbins Company  
Billie Ross of the Palm Beaches  
Vic Ryan & Associates  
Ernie Sabayrac Inc.  
Saks Fifth Avenue  
Score With Northrup  
Scott Mfg. Company  
Shakespeare Company  
Sit 'N Rest Golf, Inc.

E.J. Smith & Sons Co.  
Slack Fashions, Inc.  
A.G. Spalding & Bros., Inc.  
Sports Novelties  
Sportswear by Alfred  
Star-Grip Glove Company  
States Hand Knit Crafts  
Leonardo Strassi  
Stylist Shoe Company  
Sweet Swinger, Inc.  
Swing Rite Corporation  
Donald M. Temple  
Town Talk Mfg. Company, Inc.  
Texace Corporation  
Uniroyal, Inc.-Royal Golf Equipment  
Varela Slacks  
Viking Corp. of South Bend  
The Voyager  
Dick Watson  
Westinghouse Electric Corporation  
Wilson Sporting Goods Company  
Wittek Golf Range & Supply Co. □

## GCSAA show products

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an acre. With a tractor speed of up to 10 mph, the spreader reportedly can cover up to 40 acres an hour.

**West Point Products Corp.** introduces two machines for 1969: the Aeri-Vac and the MC-100 Vertifier. The Aeri-Vac is a heavy-duty PTO powered vacuum machine and will remove leaves, grass clippings, and *Poa annua* seed. One man can operate the machine and clean a 6-foot swath at a speed of seven to eight m.p.h.

The MC-100 Vertifier is a self-propelled riding aerator, equipped with a 14hp electric engine. It has a 32-inch coring width.

## GCSAA Exhibitors Listing

(At press time; the listing is subject to changes and additions.)

Agrico Chemical Company  
Alfco Rokeby Company  
American Golf Car Mfg. Assn.  
American Research Corporation  
American Sod Producers  
Ampulco-Hardie Sprayers  
Aqua Dial  
Aquatrols Corp. of America  
Bankers National Life Ins. Co.  
John Bean, Div. of FMC Corp.  
Borden Chemical Company  
Broyhill Company  
Buckner Sprinkler  
Bunton Company  
Carlson Products Corporation  
Cast Iron Pipe Research Assn.  
Certain-Teed Products  
Certified Laboratories  
Chemagro Corporation  
W.A. Cleary Corporation  
Cloro-Spray Corporation  
Columbia Car Corporation  
Container Development Corp.

Cushman Motors  
Cyclone Seeder Company, Inc.  
Dedoes Industries Inc.  
Joseph K. Dennis Company, Inc.  
Diamond Shamrock Corp.  
J.J. Dill Company  
Doggett Fison Company  
E.I. du Pont de Nemours & Co.  
Eastern Sambar, Ltd.  
Elanco Products Company  
E-Z-Go Car Division  
E-Z Rake  
Febco, Inc.  
F.E.C. Fertilizer  
Florida Turfgrass Assn.  
Foley Mfg. Company  
Ford Motor Company  
Fore-Par Mfg. Company  
Gator Trailers Corp.  
Giant-Vac Mfg., Inc.  
GOLFDOM Magazine  
Gravelly  
Griswold Controls  
Harley-Davidson Motor Company  
Hawaiian Motor Company  
Hays Mfg. Company  
Hercules, Inc.  
Howard Metalcraft Company  
H.D. Hudson Mfg. Company  
International Harvester Company  
Jacobsen Mfg.  
Johns-Manville  
Kohler Company  
Lely Limited  
Lindig Mfg. Corporation  
Locke Mfg. Company, Inc.  
Mallinckrodt Chemical Works  
Massey Ferguson, Inc.  
M.O. Mattwell, Inc.  
McDonough Power Equipment, Inc.  
Milgradt Mfg., Inc.  
Milburn Peat Company, Inc.  
Milwaukee Sewerage Commission  
Monsanto-Astroturf  
Moody Sprinkler Company  
F.E. Myers & Bros. Company  
National Chemsearch Corporation

National Golf Foundation  
National Mower Company  
L.R. Nelson Mfg. Company  
Oil-Dri Corp. of America  
Oregon Highland Bentgrass  
Par Aide Products Company  
Plant Marvel Laboratories  
Princeton Turf Farms, Inc.  
Publishers for Conventions  
Radio Rain, Inc.  
Rain Bird  
Rain O Mat Sprinklers, Inc.  
Rhodia, Inc., Chipman Division  
Rogers Mfg. Company, Inc.  
Roseman Mower Corporation  
Royer Foundry & Machine Co.  
Ryan Equipment Company  
O.M. Scott & Sons Company  
Shell Chemical Company  
Skinner Irrigation Company  
Smith-Blair, Inc.  
Smithco, Inc.  
Sod Master Company  
Soilmoisture Equipment Corp.  
South Texas GCSA  
Sprinkler Irrigation Assn.  
Standard Mfg. Company  
Stauffer Chemical Company  
Stevens Appliance Truck Company  
Swift Agricultural Chemicals Co.  
Telsco Industries  
Thompson Mfg. Company  
Thuron Sprayer Mfg. Company  
Toro Mfg. Corporation  
Tuco Products Company  
Turf Vac Company  
U.S.S. Agri-Chemicals, Inc.  
Vander Molen Export Company  
Velsicol Chemical Corp.  
Viking Mfg. Company  
Vineland Chemical Company  
Warren's Turf Nursery, Inc.  
Weeds, Trees, and Turf  
Western Peat  
West Point Products Corp.  
Wyandotte Chemicals Corp.  
York Modern Corporation