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 Annua in the South" by Dr. Evert Burt and "Poa Annua 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.
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, 1 1/2 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.

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-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.

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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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-mergience 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 a 40 GPM centrifugal pump with 50 psi pressure and 3hp engine. Both sprayer and boom can be adapted to fit any type of Truckster.

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. Options 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.

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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Jarman Company
Jaymar-Ruby, Inc.
Johnston & Murphy Shoe Co.
Karsten Mfg. Corporation
Kimberston Company
Kountry Klub Sportswear, Inc.
Kristal 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'Neall 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
Uniroy, 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.

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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 14 hp 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 Research Corporation
American Soda Producers
Ampulco-Hardie Sprayers
Aqua Dial
Aquatrols Corp. of America
Bankers National Life Ins. Co.
John Bean, Div. of FMC Corp.
Borden Chemical Company
Brochill Company
Buckner Sprinkler
Bunton Company
Carion Products Corporation
Cast Iron Pipe Research Assn.
Certain-Teed Products
Certified Laboratories
Chemagro Corporation
W.A. Cleary Corporation
Clover 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.L. 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
Gravely
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.
Milgardt 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.
Telso 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 Penn
West Point Products Corp.
Wyandotte Chemicals Corp.
York Modern Corporation