

GCSAA

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8. DIAMOND SHAMROCK
9. MILWAUKEE SEWAGE
10. APPLIED BIOCHEMISTS
11. MALLINCKRODT
12. CUSHMAN
13. INTERNATIONAL HARVESTER
14. RYAN
15. HOWARD ROTAVATOR
16. F.E. MYERS
17. JOHN BEAN



Roseman Mower Corp. introduces the Roseman hydraulically-driven reel mower in a seven-gang tractor mounted model. Also 11-gang hydraulic lift-type mowers with a cutting width of 24 feet.

Ryan Equipment Company, marketed by Outboard Marine Corp. New to the line is the *Commercial Mower*, a 21-inch rotary mower with two-cycle engine. Made of die-cast aluminum, has fully protected blade and rear shield, vinyl covered front bumper and crash bar. Standard features include: 1 1/2-gallon fuel tank with gauge, eight-inch ball bearing steel wheels, seven cutting heights.

The Toro Company introduces the *Series 6 Parkmaster and General Tractor* with six cylinder, 250-cubic inch Chevrolet engine. Available 5, 7, or 9 reel unit gang mowers, can mow 80 to 90 acres a day. Other units are the 70-inch and 76-inch *Professional* mower unit; *Super-Pro*, 12hp three cutting units; *Trojan II* with 50-inch Whirlwind rotary; *Greensmaster 3*.

Yazoo Mfg. Company, Inc., makes a complete line of mowers, which includes front-cutting industrial tractors, the *Big-Wheel* hand mowers and an edger.

TURF PRODUCTS

Agrico Chemical Company introduces new package designs for its *Country Club* line of fertilizers, which feature new formulations that fit into programs designed to make effective turfgrass management as simple as possible.

Agway, Inc., makes pesticides, fertilizers and seeds. Also manufactures the *Porta-Bin* bulk storage unit, which eliminates handling fertilizer bags.

American Bio-Turf, Inc., features the pro-biotic soil conditioner, *Bio-Turf*, which increases soil porosity through flocculation.

American Research Corp. distributes fungicides, insecticides, fertilizers, weed killers.

Applied Biochemists, Inc., features *Cutrine*, an algaecide to control filamentous, planktonic and chara algae. Cutrine is registered by the Environmental Protection Agency. Also *Swimtrine* algicide for swimming pools.

Aquashade, Inc., introduces *Aquashade* liquid for controlling aquatic growth.

Aquatrols Corp. of America features soil wetting agents, including *Aqua-Gro*, a non-ionic wetting agent that relieves compaction and moves water into hard-to-wet areas. Coverage is 16,000 square feet per gallon. *Aqua-T* is a low cost blend, non-ionic organic wetting agent. Wilt control agent, *Stoma-Seal*, chemically controls wilt on greens, tees and fairways and other turfgrass areas.

BASF Wyandotte Corp. features *Turfarc* arcillite soil amendment for constructing and conditioning golf greens.

Certified Laboratories. *Certifen*, a soil sterilizer. The *Centurion* portable sprayer. *Turf Edge*, a chemical edger and *L.T.F.*, a liquid turf fungicide.

Chemagro, Div. of Baychem Corp. Features *Baygon 70% Wettable Powder* insecticide for control of flies and mosquitoes. *Dasanit 15% Granular* ornamental and turf nematocide for nematode control, up to nine months. *Dexon 35% Wettable Powder* is a non-mercurial fungicide for ornamentals, lawns and turf. Controls Phytophthora and Pythium organisms. *Dyrene 50% Wettable Powder* is a broad spectrum turf fungicide for major turf diseases.

Ciba-Geigy Corp. features *Diazinon* granular insecticide for control of cinch bugs, sod webworms, billbugs, fruit flies, chiggers, fleas, ticks.

W.A. Cleary Corp. introduces *Cleary's 3336* and *Bromosan* system turf fungicides. These fungicides are non-mercurial.

Cloro-Spray Corp. makes *No-Wilt* vinyl-acrylic copolymer that forms a clear film on trees, shrubs and other plants, preventing excessive moisture loss during dry periods. *Ferro-Spray Plus* is a water-soluble liquid fertilizer combined with an iron chelate solution, a non-ionic organic wetting agent and chlorophyll.

Diamond Shamrock Chemical Company features *Dacthal G-5* herbicide for controlling crabgrass, *Poa annua* and other weed pests; *Dacamine* turf herbicide knocks out dandelion, Canada thistle; *Daconate* post-emergent herbicide for crabgrass and chickweed and is a premium arsonate liquid mixed with surfactants; *Daconil 2787* is a fungicide for controlling diseases, such as leaf spot, crown rot and brown patch. *Dacthal W-75* for preemer-

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gence control of annual grasses and broadleaf weeds.

Dow Chemical Company offers *Dursban 2E* insecticide for control of chinch bugs and sod webworms; *Zectran 2E* emulsifiable concentrate multi-purpose insecticide for control of snails and slugs.

E.I. DuPont de Nemours & Company, Inc., features color photographs of major turf diseases and turf disease control in the *Tersan* 1-2-3 Disease Control Program. A large table showing the common infection periods, recommended products and application schedules round out the exhibit.

Elanco Products makes *Balan Granular* for control of crabgrass, *Poa annua*. *Treflan Granular* for control of weeds and *Pipron* and *Parnon* for control of powdery mildew in ornamental crops.

Enzyme Industries, Inc., features *Grozyme* soil conditioner. It is a bio-catalytic liquid with surfactants to relieve soil compaction.

Fer-Mel Corp. distributes golf course fertilizers in water soluble and granular blends.

Miles W. Fry and Son grow hybrid poplar trees for golf courses and nurseries. Also showing Crown-vetch.

J.M. Huber Corp. features peat and peat moss for greens construction and maintenance.

Hercules, Inc., makes *Nitroform 38-0-0* nitrogen ureaform fertilizer in two forms: *Blue Chip* granular for mechanical spreaders and *Powder Blue*, a sprayable ureaform.

Kaiser Agricultural Chemicals offers five turf fertilizer programs that use its *Tee & Green Fertilizer 101*, *Fairway Fertilizer 102*, *Professional Ureaform Nitrogen 103*, *Professional Turf Fertilizer & Weedkiller 104* or *Kaiser 5-10-15*.

Lofts Pedigreed Seed, Inc., features *Baron* Kentucky bluegrass, which is Certified Blue Tag and *Poa* and bentgrass free. Other varieties available from Lofts include Jamestown red fescue, Exeter Colonial bentgrass and Kingstown velvet bent.

3M Company adds to the *Mariner* line of aquatic herbicides several new algicides as well as broad base weed control product.

S & D Products, Inc., features patented controlled release fertilizer packets for trees, shrubs and roses. *Eesy-Grow-Rootcontact Paket* fertilizer packet is for long term feeding of trees and shrubs.

Stanford Seed Company carries varieties of turfgrasses.

Stauffer Chemical Company is showing a regional breakdown of its insecticide lines, including *Aspon* for turf and general use; *Betasan* herbicide for turf (can be nationally used); *Imidan* insecticide for trees (most appropriate in the Northeast), and *Dyfonate* turf insecticide (Southeast).

Tuco, Div. of The Upjohn Company, introduces an insecticide, *Proxol 80SP*, recommended for preventing and controlling sod webworms, cutworms, chinch bugs and other damage causing insects. *Acti-dione TGF* broad-spectrum fungicide.

Turf-Terra Div., Koos, Inc., fea-

tures *Premium* turf foods, including *Super Green & Tee Food*, which provides a new source of potash and sulfur and contains natural organic nitrogen.

Union Carbide Corp. manufactures *Sebin* insecticide for controlling of chinch bug, sod webworm control, ants, and other ground insects.

USS Agri-Chemicals, Div. of U.S. Steel Corp., features *Vertagreen* fertilizers for tees, greens and fairways. Also *Vertagard* turf protection chemicals and herbicides. *Vertagard Betasan 4EC* is a preemergence for crabgrass and *Poa annua*.

Velsicol Chemical Corp. features *Heptachlor* and *Chlordane* soil insecticides. *Banvel +2,4-D* turf herbicide for control of broadleaf weeds on fairways, aprons, tees and roughs. *Banvel 4S* herbicide, also for broadleaf weeds on fairways, aprons, tees and bentgrass greens. *Bandane 15G* for pre-emergence crabgrass control, in granular formulation.

Warren's Turf Nursery. Dealers and makers of *A-20* and *A-34* bluegrasses. The former is a highly-resistant strain with good density, dark color and the ability to perform well under low mowing heights. Adaptable to tees, fairways, approaches and collars. *A-34* is shade tolerant and disease-resistant.

Whitney-Dickinson Seeds, Inc., world-wide marketers of Manhattan perennial ryegrass. Also showing Pennfine ryegrass, Pennstar and Galaxy Kentucky bluegrass.

Mallinckrodt Chemical Works features *Calo-Clor* brand turf fungicides and other turf products including *Auragreen* fungicide; *Cad-*

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HIGH DENSITY PLASTIC WEATHER-PROOFED



The bright, yellow-handled RAKE-Ezee Rake flags attention, reminds golfers to rake trap. Stands erect on blunt metal point.

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minate fungicide; *Calo-Clor* mercuric chloride fungicide; *Calo-Gran* dry granular mercurial fungicide; *Koban* fungicide for Pythium; *Kroma-Clor* fungicide; *Kromad* fungicide; *Trex-San* broadleaf weed-killer; *Spring-Bak* fungicide for bermudagrass; *Thiramad* fungicide for brown patch, dollar spot and snow mold; *Tobaz* systemic fungicide; *Po-San* fungicide for *Poa annua* fairways; *Pre-San* preemergence herbicide and *Vitalon* foliar colorant.

Merck Chemical Division features *140-F* fungicide for controlling major turf diseases.

The Milwaukee Sewerage Commission features *Milorganite*, a natural organic fertilizer.

Mock Seed Company, Inc., processes and distributes seed for fairways and roughs.

National Chemsearch. Carries *Fen-ocil*, a sterilant; *Grotard* growth retardant; *Watrol* aquatic weed killer; *Ferate*, a liquid iron compound.

Oil-Dri Corp of America makes *Terra-Green Special Top Dressing* and *Terra-Green Soil Conditioner*. Also *Jumbo-Jrs.* for mud-proofing playground areas. Absorbs water quickly, non-abrasive, non-toxic, non-flammable.

Par Ex Professional Products, Swift Agricultural Chemicals Corp. Features fertilizers that contain IBDU (isobutylidene diurea), a slow release nitrogen that is released by hydrolysis, not temperature or bacterial activity.

Plant Marvel Laboratories offers a 25-pound bag of water-soluble *Bent Special* fertilizer free to every superintendent. Their simplified fertilizer program calls for liquid feeding the turf two ways: feeding foliage and feeding roots at the same time. Each of the seven *Nutriculture* formulas contains sequestered

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TURFflow



New 2 inch plastic drainage tubing...

Ideal for golf course greens, tees, traps and fairways, TURF-flow tubing and fittings feature flexibility and trouble-free installation for conventional or Purr-Wick golf green construction. TURF-flow inside and outside flange fittings and molded rubber gaskets bolt together to provide a tight, positive seal at critical liner and drain connection points. And TURF-flow is available in 10 foot lengths or 500-ft. rolls, either plain or perforated with wide slits for heavy soils or filter-type slits for light and sandy soils to make TURF-flow the perfect choice for all golf course landscaping.



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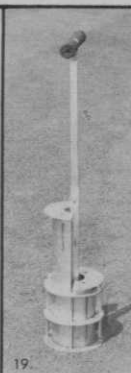
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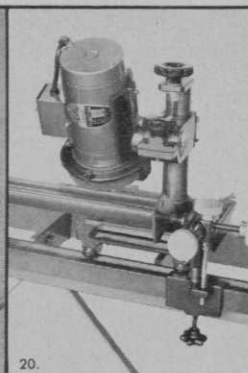
18. SMITHCO
19. CONTAINER DEVELOPMENT
20. FOLEY
21. TORO



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21.

trace elements and dissolves 100 per cent in water.

The Rudy-Patrick Company carries Penncross creeping bentgrass for greens, fairways and tees.

ACCESSORIES

Container Development Corp. features *Lewis Line Golf Equipment*, including the *GF20 Turfmaster* precision cup cutter. Also tee markers, flags and poles, ball washers.

Coursigns, Inc., will display plastic signs and stakes.

Dewey-Carter Sign Systems Company. Instant, low-cost sign making kit for golf course advertising.

S.B. Dunlop Enterprises introduces *Shagmaster* golf ball retriever. New concept, based on principle of rotating drums, uses modular plastic pegs as teeth.

Fore-Par Mfg. Company features permanent tee monuments; *Tee Towels*, heavy nine-ounce towels personalized with the club's emblem.

Mercury Products Corp., features a non-corrosive, plastic chain, in colors, for golf courses.

Mr. Chain, Div. of M-R Products, Inc., features hazard markers, tee markers, plastic chain, posts, fencing for car paths and flower beds.

Par Aide Products Company carries a complete line of golf course greens and tee equipment, including ball washers, benches, flagpoles and flags, tee markers and cups.

**Information unavailable at press time.*

Plasti-Chain Corp. carries *Estate Fencing*, post and chain. Made of easy-care polymer.

Shur-Way Development Company, Inc., features the *Divot-Fixer* for repairing ball marks. The tool repairs 12 ball marks a minute and forces new grass and roots from around the injured area into the center to hide the ball mark. Tool can double as a hand aerator.

Standard Mfg. Company presents an eight-foot configured aluminum tournament flag pole in yellow. The *Professional* hole cutter features replaceable chrome-plated cutting shell, which can be removed easily for sharpening by three recessed screws.

OTHER

Advanced Drainage Systems, Inc., makes corrugated plastic drainage tubing. Also *Drain Guard*, a corrugated plastic tubing combined with a nylon screen. Designed specifically to hold back sand particles.

The Davey Tree Expert Company, complete tree service organization, distributing *Davey Tree Food and Lawn Food*.

***Golf 'N' Country Club Services**

The Foley Mfg. Company features three models of precision sharpening grinders. *Model 388* sharpens entire mower without removal of either reel or bed knife. Made of rigid cast iron and steel. *Model 384 Bed Knife Grinder* for gang, fairway and greens mowers. One set-up assures properly ground bed knives.

Hancor, Inc., subsidiary of Hancock Brick & Tile Company, features two-inch *Turf-flow Corrugated Plastic Drainage Tubing* and fittings for golf course greens, tees, sand traps and fairways.

Kirchdorfer Irrigation, Inc., is a contractor of golf course irrigation systems, particularly automatic multi-row design.

Lake Shore Equipment and Supply Company. Carries a complete line of replacement parts for maintenance and irrigation equipment.

Larchmont Engineering and Irrigation is a consultant on use and installation of pumping stations and irrigation systems.

March Irrigation and Supply Company. Display photos of its engineering and contracting work.

Mid-State Bolt and Nut Company offers more than 25,000 fasteners for repairing golf course equipment. Made with zinc and gold chromate.

R&R Products manufactures high carbon, heat treated replacement blades for Ryan aerators and sod cutters.

The Toro Company's Game Time introduces *The Circle Eight* panelized buildings for course garage or pro shop. Available in two sizes: 32 feet in diameter with 800 square feet, and 40 feet with 1,200 square feet. Assembled as single unit or as connecting modules. They are adaptable to heating, air conditioning, and plumbing.

***Yankee Engineering Company**