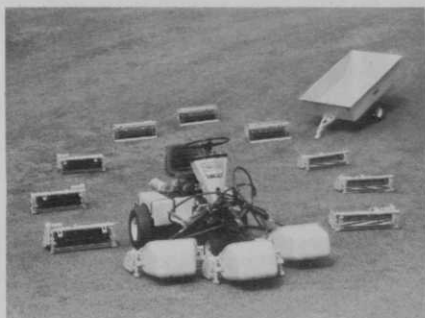




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agement System, capable of greens cutting, tee and collar mowing, spiking and verti-cutting. The self-propelled unit can be changed from one operation to another in a few minutes, according to the company. The cutting units are driven by flexible cables, thereby eliminating the possibility of greens damage due to hydraulic hose ruptures.

#### \*Jacobsen Mfg. Company

**Locke Mfg. Div.**, offers the *Maxi* riding mower with a 10 hp Kohler engine, and the *Triplex* lawn mower, which comes optional for riding.

**Mott Corp.** has new for 1972 the *Expediter* mower, which cuts a width of 18 feet, 10 inches when complete. Height of cut can be adjusted and ranges from three-quarters inch to six inches. Standard features include heavy-duty front bumper, positive lock transport position, independent operation of three mowers and totally enclosed drive.

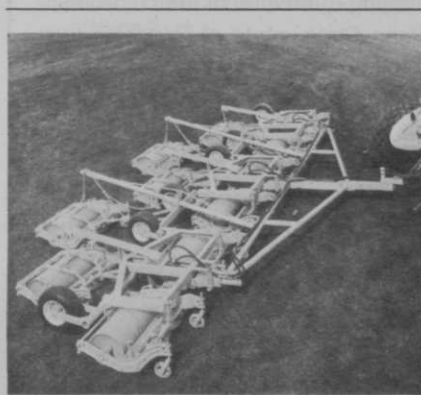


**National Mower Company** offers 68-inch and 84-inch triplex mowers. The 68-inch mower runs up to four miles an hour in forward and re-

verse, has traction, wing mower and rear mower clutches, power-driven free-floating reels and automotive-type differential. The 84-inch mower cuts at speeds of up to five miles an hour. Transport speed is 14 miles an hour. It has automotive-type differential, an extra long lip on bed knife, power-driven, free-floating reels and climbs a 40-degree grade. Gears are machined from solid steel.

**Ransomes Sims & Jeffries, Ltd.**, imported from England by Warren's Turf Nursery, features its *Hydraulic Power 5/7 Gang* fairway mower. The seven gang unit can cut a swath 15 feet wide; the five-gang unit cuts swaths 11 feet wide. There is a choice of seven height-of-cut positions, ranging from one-half inch to three inches.

#### \*Roof Mfg. Company



**Roseman Mower Corp.** introduces an 11-gang hydraulic lift-type mower. Cutting width is 24 feet or about 30 inches per unit. Height of cut is about one-half to three inches. The mower can be used with any utility-type tractor equipped with a hydraulic system.

**The Toro Company** announces new accessory attachments for its *Greensmaster 3* triplex greens mower: a roller cleaner and thatching reels.

#### Turf products

**Agrico Chemical Div.**, Continental Oil Company, offers *Agrico Country Club* and *Gold Cup* fertilizers.

**Agway, Inc.**, makes the *Agway* line of fertilizers, chemicals and seed.

#### \*American Research Corp.

**Applied Biochemists, Inc.**, offers *Cutrine*, an algacide for lakes and ponds.

**Aquatrols Corp. of America** offers *Aqua-Gro* and *Aqua-T* soil wetting agents.

**Chanderlin Seed Company**, Div. of Loft Seed Company, offers fine turfgrass seeds.



**Chemagro Div.**, Baychem Corp., offers *Baygon 70% Wettable Powder* for control of flies and mosquitoes; *Dexon 35% Wettable Powder*, a non-mercurial fungicide for controlling *Phytophthora* and *Pythium* on lawns and turf and *Dyrene 50% Wettable Powder* for controlling leaf spot, copper spot, *Sclerotinia* dollar spot, *Typhula* snow mold, rust and brown patch.

**Chipman Div.**, Rhodia, Inc., offers the *Chipco* line of turf products. *Turf Kleen* controls broadleaf weeds and comes in 30 and five-gallon drums and in one-gallon cans packed six in a case. *Turf Herbicide MCPP* controls surface-creeping broadleaf weeds, such as clover, chickweed, stitchwort, ground ivy and knotweed. *Microgreen*, a water-soluble blend of metal complexes of iron, zinc and manganese, corrects turf nutritional deficiencies. It comes in 50 pound bags and four-pound bags, 12 in a case. *Wetter Water* is a non-ionic wetting agent.

**W.A. Cleary Corp.** offers a non-toxic wettable powder fungicide called *Cleary's 3336* for control of cadmium-resistant dollar spot, copper spot, brown patch, *Helminthosporium*,  
(Continued on page 52)

\*Information unavailable at press time

# BULLETIN

from *Warren's*  
TURF NURSERY

Want to see  
fairways planted  
with Warren's® A-20  
Kentucky Bluegrass...???

• Interested in learning  
how you can replace  
those poa annua in-  
fested fairways with  
Warren's A-20 Blue-  
grass ... ?

• Do you need the quali-  
ties of a vigorous grow-  
ing bluegrass, with  
proven disease resis-  
tance and the ability  
for maintenance at low  
mowing heights ... ?

• Are you among those  
who plan to build a  
new golf course this  
year and are in doubt  
as to which grass will  
look good yet can with-  
stand unusual heavy  
punishment from golf-  
ers ... ?

• Want to see and learn  
how short the time is  
between planting A-20  
and playing on it ... ?

• Want to see an actual  
fairway A-20 planting,  
in color ... ?

• Interested in the sur-  
prising low cost of con-  
verting to Warren's  
A-20 Bluegrass ... ?

• Want all the facts to  
suite your particular  
situation ... ?

...then stop  
in to see us in  
CINCINNATI  
at the  
CGSA Show...  
Island  
Booth "E"

*Warren's*  
TURF NURSERY

Palos Park, Illinois 60464  
Phone (312) 448-7200

For more information circle number 280 on card



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red thread, *Fusarium Roseum* and *Pythium*. Also offered are *Cad-Trete* turf fungicide, *MCP-2,4-D* herbicide for broadleaf weed control, *Bromosan* fungicide and *All-Wet* non-ionic wetting agent among others.

**Cloro-Spray Corp.** makes *No-Will* vinyl-acrylic copolymer that forms a clear film on trees, shrubs and other plants. It prevents 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. *Dew Down Xtra* reduces surface tension of water.

**Diamond Shamrock Chemical Company's** *Dacthal* line of herbicides includes *W-75* for preemergence control of annual grass and broadleaf weeds. It comes in a wettable powder which can be applied with portable or power sprayers. *G-5* is a granular herbicide for annual grass and broadleaf control. *Daconil 2787* broad spectrum fungicide is recommended for *Helminthosporium* leaf spot, *Curvularia* leaf spot, dollar spot, brown patch, gray leaf spot, stem rust of bluegrass, copper spot, pink snow mold (Washington and Oregon only) and *Alternaria* leaf spot (California only). *Dadamine* herbicide gives post emergence control of perennial broadleaf weeds and *Daconate* post-emergent herbicide controls weeds.

## \*J.J. Dill Company

**Dow Chemical Company** offers the turf insecticide *Dursdan 2E* for mosquito control, and *Zectran 2E* and *25W* for all ornamental shrubs.

**Eagle Picher** makes *Dialoam* turf conditioner, which is said to cut compaction, improve drainage and retain moisture. It is non-toxic and compatible with all fertilizers.

\*Information unavailable at press time

**E.I. DuPont de Nemours & Company, Inc.**, features a new *Tersan 1-2-3* turf disease program which consists of *Tersan LSR* maneb fungicide for brown patch and rust control; *Tersan 1991* benomyl fungicide for dollar spot, large brown patch and *Fusarium* patch control, and *Tersan SP* chloroneb fungicide for snow mold and *Pythium* control.



**Elanco Products Company** offers *Balan* granular pre-emergent herbicide for controlling annual weed grasses. *Treflan*, available in both liquid and granular formulations, controls annual grasses and annual broadleaf weeds. *Dymid* is available in a wettable powder and granular form and controls annual grasses and broadleaf weeds, particularly winter-germinating weeds. *Parnon* liquid concentrate fungicide prevents the establishment of powdery mildew organisms on certain ornamentals.

**Enzyme Industries, Inc.**, introduces *Grozyme* soil conditioner. The biocatalytic action of this product relieves soil compaction and aerates the soil, allowing nutrients and moisture to penetrate the root system. Another product is *Sanzyme*, which eliminates waste odors. Its catalytic action digests organic wastes by splitting fats, starches and proteins into water-soluble components. It can be used in drains, grease traps or septic tanks. Both products are bio-degradable and harmless to plants, animals and humans.

## \*Geigy Agricultural Chemicals

**Hercules, Inc.**, makes *Nitroform 38-0-0* nitrogen ureaform fertilizer in two forms: *Blue Chip* granular for use in mechanical spreaders and *Powder Blue*, a sprayable ureaform. Under the theme, "It's Your Bag," the exhibit will also feature in four-

(Continued on page 57)



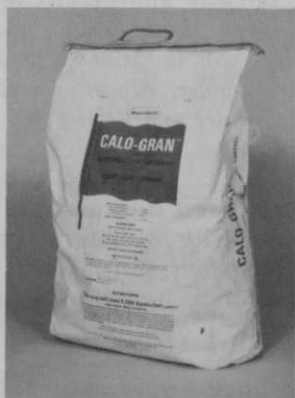
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color transparencies all the bags of Hercules' customers who package *Nitroform 38-0-0* under their own names.

**J.M. Huber Corp.** offers peat moss in bulk; *Michigan peat*, *Sphagnum Peat Moss Horticultural Peat Moss*, *Organic Top Soil* and all purpose *Potting Soil*.

**Kaiser Agricultural Chemicals** features #101 *Tee and Green Fertilizer*, #102 *Fairway Fertilizer*, #103 *Professional Ureafoam Nitrogen* and #104 *Professional Turf Fertilizer and Weed Preventer*.



**Mallinckrodt Chemical Works** offers a complete line of fungicides and herbicides which includes *Auragreen*, *Cadminate*, *Calo-Clor*, *Calo-Gran*, *Koban*, *Kroma-Clor*, *Ultra-Clor*, *Kromad*, *Phenmad*, *Spring-Bak*, *Thiramad*, *Thiramad-Plus*, *Po-San* and *Pre-San*. In addition, the company offers *Vitalon Light* and *Vitalon*

*Dark*, turf and ornamentals foliar colorants.

#### \*Malter International Corp.

**Milburn Peat Company, Inc.**, offers peat moss for top dressing greens and maintaining club grounds.

**The Milwaukee Sewerage Commission** offers *Milorganite*, a standard organic fertilizer.

**Mock Seed Corp.** makes the *Mock* line of grass seed for fairways, greens and tees. It also carries *Cura-Lawn*, a dry granular fungicide for prevention of snow mold.

**Oil-Dri Corp. of America** makes *Terra-Green Soil Conditioner*, which is designed to reduce compaction, increase water infiltration rates, provide better draining and circulating soil system.

**Par Ex Professional Products**, Swift Agricultural Chemicals Corp., makes a wide range of turf fertilizers which contain the new nitrogen source *IBDU* (isobutylidene diurea). This source of nitrogen is not dependent on temperature or bacterial activity, but on hydrolysis.

**Penncross Bentgrass Assn.** promotes a line of putting green grass seed, which was developed at the University of Pennsylvania.

**Plant Marvel Laboratories** makes the *Nutriculture* formulas for maintaining turf. *Bent Special 28-8-18* contains nitrogen in three forms for fast, medium and slow release. *Cal-Mag Special 25-0-20* is a source of calcium and magnesium, nitrogen and potash. *Lawn Marvel 28-18-8* is an all-purpose lawn and fairway feed. *Potash Special 10-20-30* is recommended to overcome a potash deficiency and to help overcome and prevent melting out and dollar spot. *Plant Marvel 12-31-14* is a starting solution for establishing new turf from seeds or stolons.

**The Rudy-Patrick Company** features turfgrass seed including *Penn-cross* bentgrass, *Pennstar* bluegrass, *Penfine* and *Manhattan* ryegrasses and *Highlight* chewing fescue.

**O.M. Scott & Sons'** ProTurf Div. offers 40 commercial products designed for golf course superintendents. Weed controls in the line include *Fertilizer Plus Dicot Weed Control*, *Fertilizer IV* and *Broad Spectrum Weedicide II* plus others. Fungicides include *Fertilizer Plus Fungicide* for brown patch, copper-spot, dollarspot, fusarium patch, leafspot, red thread and snow mold control and *Fertilizer plus DSB Fungicide*, a non-mercurial systemic fungicide for control and prevention of dollar spot and brown patch. Fertilizers include *Fairway Fertilizer* and *Fertilizer*.

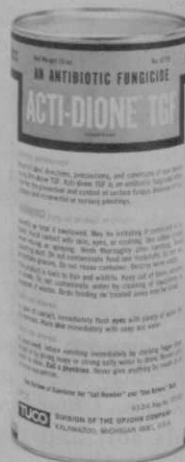
#### \*S & D Products, Inc.

**Stauffer Chemical Company** makes *Aspon* insecticide for controlling cinch bugs. It is sold under various brand names. *Betasan* pre-emergence herbicide is used on greens, tees and fairways for control of crabgrass, hairy crabgrass, goosegrass, *Poa annua* and certain annual broadleaf weeds. It can be used on bluegrasses, fescues, bentgrasses, bermudagrasses, zoysiagrasses and other grasses.

**Stewart Bros. Company** offers a top dresser.

**Swift Agricultural Chemicals Corp.**, see **Par Ex Professional Products**

#### \*Turf-Terra Div., Koos, Inc.



**Tuco**, Div. of The Upjohn Company, will exhibit its new turf fungicide, *Acti-dione TGF*, for golf course

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\*Information unavailable at press time





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tees, greens and fairways. The broad-spectrum fungicide is packaged in a readily disposable tear-top can and is recommended for the prevention and control of most turf diseases.

**Union Carbide Corp.** features the insecticide *Sevin* in sprayable or granular form and *Seven Mol-4*, which is with molasses.

**U.S. Borax** features *Maintain CF125* for the retarding of turf, control and elimination of broadleaf weeds and annual grasses.



**U.S.S. Agri-Chemicals Div.,** United States Steel Corp., introduces *Vertagreen 19-5-9* fairway fertilizer, designed for use through rotary or drop spreader. Also included in the *Vertagreen* line are *Vertagreen 18-0-9* for fairways; *Tournament Plus*, a slow-acting granular fairway fertilizer; *Tee Green* for greens, tees and aprons, and *Weed & Fee for Professional Turf* for *Poa annua* and crabgrass control. *Vertanite Ureaform Fertilizer* is a long-feeding, slow-acting nitrogen fertilizer designed for greens, tees and fairways.

**Velsicol Chemical Corp.** offers *Banvel* herbicide for control of knotweed, chickweed, white clover, sheep sorrel, curly dock, dog fennel and other weeds. *Chlordane* insecticide controls soil and surface insects, such as grubs, Japanese beetle larvae, ticks, chiggers and ants, in lawns and turf. The company claims that it does not present a hazard to

humans or the environment. *Bandane* is a pre-emergence herbicide which combines crabgrass control, insect control and safety to desirable grasses, such as bentgrass, bluegrass, bermudagrass, zoysia, St. Augustine and centipedegrass. *Accutrol* is the company's new air emulsion spray system which is said to spray chemicals accurately with little loss into the environment.

**Vineland Chemical Company** offers *Vichem* turf products, sold under the trade names *Dal-E-Rad*, *Calar*, *Rad-E-Cate* and *Vi-Pex*.

**Warren's Turf Nursery** features *Warren's A-20* and *Warren's A-34* Kentucky bluegrasses. The A-20 has good to excellent resistance to *Helminthosporium*, stripe smut and powdery mildew and average resistance to *Fusarium roseum*. A-34 can tolerate up to 65 per cent shade and still grow well in the sun.

## Accessories

**Container Development Corp.** makes the *Lewis Line* of accessories for the golf course. Included in the line are ball washers (four models), tee markers, fiberglass flagpoles, cup cutters, setters and pullers, plain or numbered flags in cotton or nylon and directional diagonal, pennant and checkered flags in cotton.

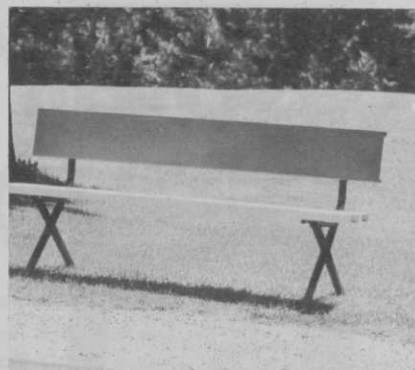
**Fore-Par Mfg. Company** carries golf ball shaped tee markers in red, white, blue or yellow as well as tee markers with the club insignia permanently silk-screened on the faced-off portion, available in the club's choice of colors. Tee plaques made of Reonite show hole number, par and yardage in relief and match tee marker colors.

**Nelson Nameplate Company** manufactures tee plaques.

**Par-Aide Products** makes a complete line of green and tee equipment, including ball washers, benches, flagpoles, flags, tee markers, cups and hole cutters and spike brushes.

**Shur-Way Development Company** offers divot fixers.

**Standard Mfg. Company** makes a portable tee console which functions



as a ball washer, tee data sign, *Spike Kleener* and *Litter Caddie*. It is available in yellow, red or avocado. A portable ball washer has a three-quarter capacity tank and comes in red, yellow or avocado. Steel plastic-coated tee benches come in colors to match the console and tee markers and are constructed of 16-gauge steel. The *Porta-Span* bridge is weather-proof and has a maximum vehicle load of 2,400 pounds or 15 persons. Bridge can be assembled by one man in two hours. *Litter Caddies* are available tapered with or without a turf spike and straight with a turf spike.

## Other

**\*Mr. Chain, Div., M-R Products**

**\*Dacton Instrument Company**

**Foley Mfg. Company** introduces the *Model 384 Bed Knife Grinder* for gang, fairway and greens mower knives up to 32 inches long. On display also will be *Model 388 Lawn Mower Grinder*, *Model 398 Rotary Blade Grinder* and *Model 365 Lapping Machine*.

**Hancor, Inc.,** subsidiary of The Hancock Brick & Tile Company, makes *Cor-flow* corrugated plastic pipe and fittings for golf course drainage systems.

**\*Lakeshore Equipment & Supply Company**

**\*The J.H. Spaulding Company**

**Vandermolen Corp.** makes *Rid-O-Ray* incineration unit for eliminating insects. The unit is powered by 110-volt house current. Insects, attracted to the light, are incinerated when by the electrically charged grid that surrounds the light. □

\*Information unavailable at press time