

Business at the 42d Annual Golf Course Superintendents Assn. of America Conference in Denver, February 7th to 12th, will get underway with the first educational session chaired by Warren Bidwell. Its theme is Golf and Man's Environment. Superintendents will then be welcomed to the conference by state and local officials and Norman Kramer, GCSAA president. The Profile of a Professional and a look at The Bright 70s complete the opening program.

The second session on Monday afternoon will be chaired by L. Palmer Maples Jr.; the theme is Thoughts—Past, Present and Future. Superintendents' thoughts will be explored in the first part of the presentation when nine turfmen air their pet

ideas or innovations with slides. The remainder of the program will give superintendents much to think about because it is concerned with Regulatory and Research Viewpoints on Pesticides.

On Tuesday morning the equipment show will open. As of press time the advance bookings promised the biggest show to date. Irrigation and riding greenmowers are expected to draw the biggest interest as they did in Houston in 1970.

Tuesday afternoon, the third session, will be chaired by Dr. Paul Alexander, director of education for the GCSAA. This is Dr. Alexander's first national conference in this position. Practical Irrigation Operation is the theme, which many superintendents believe is the key to a successful summer operation.

The fourth group on Wednesday morning meets with A. Caranci as chairman. This session is devoted to The Total Effort, and five men will tell how the superintendent can effectively conduct a public relations campaign.

The final fifth and sixth sessions will be chaired by staff members of the United States Golf Assn. Green Section, and the topic will be The Budget and Its Impact on the Golfer.

Because more and more superintendents have been bringing their wives to conferences, a full ladies' program has been planned.

Bookings have been very good for the Ski In, to begin on the 12th. Several package deals are available from \$80 to \$100 per person and all necessary equipment and clothes may be rented in Denver or at Vail.

—Bill Smart

On the following pages are highlights of the merchandise that manufacturers, distributors and representatives will be exhibiting at the GCSAA show. The companies appearing are those that have indicated to GOLFDOM that they will be at the show; it does not represent an official exhibitors listing. An asterisk following a company's entry indicates that specific details on its product line were unavailable at press time.



Golf and utility cars

American Golf Car Manufacturers Assn.

Club Car, Inc., features the four-wheel electric *Caroche* golf car. It has a gross operating weight of 840 pounds with a suggested list price of \$1,319.50. Club Car has discontinued its line of gas-powered cars and its three-wheel cars.



Cushman Motors., Div. of Outboard Marine Corp. makes the *Trophy* four-wheel electric golf car, constructed of terneplate steel to resist corrosion. It features individual bucket seats, automotive steering and a 36-volt electric motor. A windshield and canopy are available.

E-Z-Go Car Div., Textron Corp., features the *Four Wheel Model X-444* and the *Three Wheel Model X-440* electric golf cars. The X-444 offers a low center of gravity and high ground clearance for stability and short turning radius. Cars are constructed of steel and feature spike-proof dash padding, open mesh bag wells and wrap around bumpers.



Harley-Davidson makes the *Utilicar* line of utility cars in gas or electric models. The body is made of heavy gauge steel and impact-resistant fiberglass, and it has a minimum gross carrying capacity of 750 pounds. Available with a line of accessories which includes a trailer,



cab enclosure, personnel carrier seat, cargo box of heavy gauge steel and a wooden stake box.

Texas Refinery Corp. offers *Tire Seal*, a liquid sealant, *Dzl-Lene*, a fuel stabilizer, and *Big Red*, a concentrated liquid chemical detergent.

Viking Corp. offers the *Viking '71* and the *Viking Baron* golf cars. The former has a fiberglass front cowl with built-in drink holders and a large storage area, customized suspension system, two pedal braking and speed control systems and a 36-volt electric power system. It is available in a color to match a club's color.

The Baron features a combination fiberglass and steel body, a console for the ignition and shift and an arm rest. It is available in lime green.



Irrigation equipment

Aqua-Dial makes a line of turf irrigation equipment which includes valves, heads and automatic controls. The line features a geared rotor sprinkler in two models. *Model 14* is a part circle sprinkler, and *Model 13* is a full circle sprinkler.

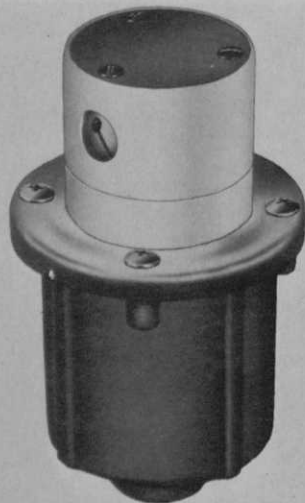
Buckner Sprinkler introduces a line of geared sprinklers and piston valves new this year. In addition the *Buckner Central Programmer Sys-*

tem for irrigation control is offered. The system features an infinitely variable syringe cycle from 1.5 to 5 minutes which overrides any existing programs.

Ethyl Corp., Visqueen Div., will feature PVC pipe made of polyvinyl chloride resin that maintains the strength of the original polymer. The piping is constructed using a Bell:Ring method which offers joint components for easy assembly. The pipes and fittings exceed all commercial requirements and ASTM tests.

Griswold Controls makes *Modular* and *Zone Control Systems* which automatically control irrigation. The Modular System programs a desired watering cycle throughout the course, while the Zone Control System controls the irrigation cycle in individual zones. In addition, Griswold offers diaphragm valves which feature slow closing action to prevent water hammers and which operate with sandy water.

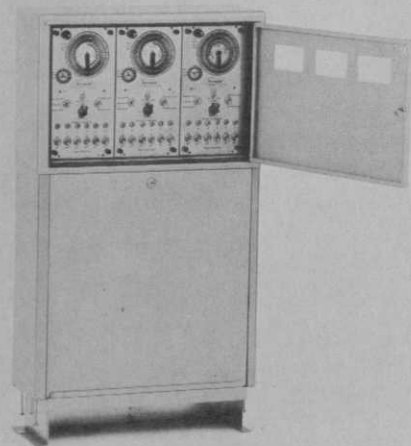
Hays Mfg. Company features *Safe-T-Rain* pop-up sprinkler in its line of broad-range sprinklers and solenoid valves. *Safe-T-Rain* is a ball rotor drive sprinkler which is a combination impact and pop-up. Its adjustable nozzle trajectory covers a radius of 16 to 43 feet. A single unit can be used for a circle of 30 to 360 degrees. Also offered are *Marfaid* automatic solenoid valves, *Rise-N-Rain* pop-up sprinklers, a spray head wrench and sprinkler housings.



Moody Sprinkler Company, Inc., features the *CP-18 Central Programmer* designed to control the automatic sprinkling system when
(Continued on page 48)



IRRIGATION CONTINUED

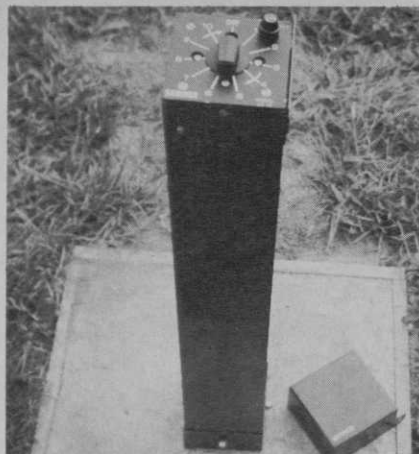


used with *Moody Slave Controllers*. It can stop, start or override watering programs set on remote slave controllers. Moody also makes a line of sprinklers, valves, heads, nozzles, attachments and accessories.

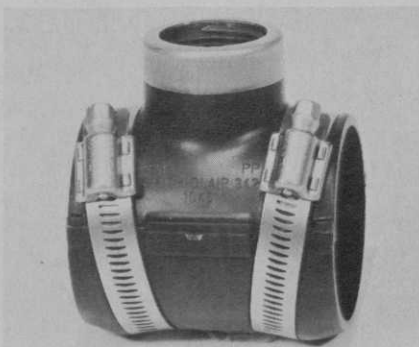
Rain Bird Sprinkler Mfg. Company offers a line of irrigation equipment which includes the *Rain Bird 41* rotor pop-up sprinkler with positive impact arm drive. Also offered is the *E.F. Electric Remote Control Valve*, a fluid resistor which does not use small orifices. A grit filter stops debris from entering the solenoid tubes and prevents the plunger from sticking in an open position. In addition, Rain Bird makes the *Master Control Satellite Systems* which features a syringe cycle timing adjustment.

Rain-O-Mat Sprinklers, Inc., features the *Model 21* rotary pop-up sprinkler in its line of sprinklers, automatic controllers and valves. The *Model 21* features a 180-foot diameter range and a 38-gallon-per-minute capacity.

Skinner Irrigation Company introduces a *Central Control System* which features individual valve operation and timing from the Center. Skinner also offers the *AC-10 Area Controller* and a system for converting a manual irrigation system to automatic.



Smith-Blair, Inc., features the *342* saddle for plastic piping connections which eliminates the need for solvent welding and delays in pressurizing the water system. In addition, a full



line of repair clamps and fittings for water system maintenance will be offered.

Thompson Turf Irrigation Products offers the *Challenger*, an intermediate range pop-up sprinkler with a tri-nozzle combination, free-spinning cap, easily removeable nozzle cartridge, positive high torque transmission and a three-year guarantee. In addition, Thompson offers the *Commander Rotor*, a medium range, gear driven pop-up sprinkler.

Toro Mfg. Company offers four new sprinkler heads in their line of *Moist O'Matic* irrigation equipment. The *620 Series* features a pop-up stroke of 2 3/8 inches, a high impact plastic body and a counter-sunk cover.

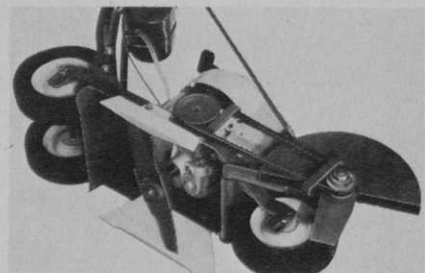
Weather-matic Div., Telsco Industries, introduces the *Command Satellite System* to its line of turf irrigation equipment. The *Command System* has a solid state control which enables syringing greens automatically. Weather-Matic also makes solenoid electric valves and pop-up rotary heads.

Maintenance vehicles

John Bean Div., FMC Corp., announces its *Model 1010-T Turfkeeper* sprayer. The *Turfkeeper* is equipped with high flotation tires, the *Royalette 10* pump which delivers 10 g.p.m. at up to 500 psi and a 13-nozzle boom and hose connections. Available with 150, 200 or 300 gallon tanks and powered by a 6 1/4 hp engine.



Bunton Company introduces the heavy-duty 22-inch self propelled mower with front wheel drive to its line of rotary power mowers, rotary push mowers and edger-trimmers. The *Model 22SPF-4T8* features 10 by 2.75 wheels, an aluminum alloy frame, a four hp engine with a five



quart fuel tank and a snorkel type air cleaner mounted on the handle. Also new is the *Four-Way Edger-Trim-mer* which has both a horizontal and vertical cutting blade.

The Champion Company features its line of *Doo-All Trailers* with *Terra-Tires*, a removable interchangeable one-cubic-yard hopper and a capacity of up to 5,000 pounds.

Cushman Motors offers the four-wheel and three-wheel model *Turf Trucksters*. The four-wheel model has a hydraulic jack and an air-cooled 18hp engine. The three-wheel model has a wide-box body and a 12 or 18hp engine. In addition, Cushman offers the *Turf Minute-Miser*, a one-passenger gas engine vehicle available with a covered cargo box.

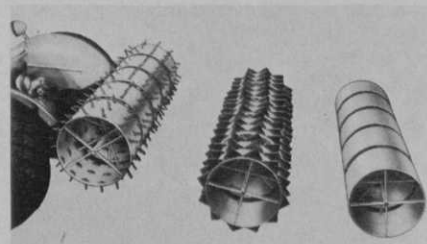
Cyclone Seeder Company, Inc., offers its line of broadcast spreading equipment. The line includes the *Cy-*
(Continued on page 53)



MAINTENANCE CONTINUED

clone Model BP Spreader/Seeder for lawn tractors, the Cyclone Broadcast Hand Sowers in four models, the Cyclone Broadcast heavy-duty spreader/seeder and two electric-powered broadcast spreader/seeders among others.

Dedoes Industries, Inc., introduces a contour aerator unit which produces a down force of over 2,000 pounds and weighs 300 pounds. It has twice as many pluggers as Dedoes' standard aerator drum.



Excel Industries, Inc., introduces the Hustler Hydrostatic XL-272 Rotary Mower. It features 1 3/4 inch diameter axles and an 18hp, four-cycle air cooled engine with hydrostatic transmission. Three 24 inch overlapping blades rotate to cut a six-foot area at a choice of seven cutting heights. In addition the Tilt Deck Trailer with a capacity of 2,000 pounds is offered. Among its features are a three-inch box-steel frame, four-ply tires and a ball type hitch with safety chain.

E-Z-Rake, Inc., introduces the Model 300 Thatcher-Baler designed to bag grass clippings as it thatches lawns. It features a five hp engine, flexing rubber-sleeved thatching tines, auger pickup and can be easily attached to any garden tractor.

In addition, the Model 110 Pull Thatcher with a three hp engine and easy pin hitch and two models of the Powered Lawn Tool which loosens and lifts thatch are offered.

Ford Motor Company makes the Model 400 SU tractor capable of close-quarter operations. Its 52-PTO hp engine pulls a scraper, flail mower or large rotary cutter and can be equipped with a front loader. Fea-



tures include an eight-speed transmission, wet disc brakes, three-point hitch, differential lock and power steering. Available with gas or diesel engines.

Gandy Company offers a line of precision applicators among them the Model 42 Turf Tender that will handle granular chemicals, seed and fertilizer. Available with a tractor hitch or handle, it features positive shut-off to assure complete control of material and a precision cam gauge which controls application rate.

The Gandy Tender line, which is designed for chemical trimming, will also be offered. It applies insecticides in bands of between one and 21 inches wide. In addition Gandy makes the Spread-It line of chemical applicators and the Turf & Field Tender precision applicator.



Giant-Vac Mfg., Inc., manufactures a complete line of vacuums, blowers, truck loaders and thatchers for cleaning all types of debris and renovating turf areas. The line includes 50 different machine models which will be shown through demonstrations and motion pictures.

Goodall Div., Bunton Company, introduces two new models in its line of lawn and turf equipment. They are the Direct-Drive Trimmer-Edger with recessed steel wheels and a



cutting width of 18 inches and the Heavy Duty Self-Propelled Mower with 10 by 2.75 wheels and front wheel drive.

Hahn West Point Div., Kearney-National, Inc., makes the Aeri-Vac turf vacuum with a six-foot wide vacuum and six-cubic yard trash hopper. It features a rear door for hand dumping litter, high flotation tires and an anti-scalping assembly. It is hydraulically powered and can be towed up to 10 mph. In addition,



Hahn makes the Tournament Triplex Greensmower with precision cutting reels, variable speed control, hydrostatic drive and heavy-duty tee mowers, among other features.

Hawaiian Motor Company introduces the Daihatsu Hi-Jet 360CC turf trucks in two models, the LS-37T and the LS-37T0. They are powered by a two-cylinder, two-cycle, water-cooled engine which is said to allow the engine to run at low temperatures, increasing engine life.

(Continued on page 54)



MAINTENANCE CONTINUED



International Harvester Company offers five new finger touch control mowers in key-start or cord-start models. Each model features three-point height control. In addition, the 12hp 127 *Cub Cadet* lawn and garden tractor with the *Sand Trap Rake*, will be offered. The rake is 72 inches wide and mounted on a three-point hitch. It has a transport height of eight inches.

Also offered will be the 6hp *Cadet 60 Electric Riding Mower* with four-speed transmission, 32-inch rear discharge mower, front and rear bumpers and storage stand.

Jacobsen Mfg. Company introduces the *Greens King Triplex* greens mower new in its line this year. Also shown will be the *Model F-133 5-Gang Mower*, a riding reel mower which features an 11-foot cutting area, a hydrostatic foot speed control and front cutting for wheel streak prevention.



Also in the line are the *Model G-10* tractor with fairway gang mowers, the *Model F-10* seven gang mower for outfront cutting, the *Rogers Model*

720 sweeper and the *Rogers Model 510 Aero Blade*.

Kohler Company has added larger topmounted fuel tanks of 1½-gallon capacity to its 6¼hp, 7hp and 8hp engines. Also new is a 15-amp alternator system which replaces a 10-amp system and provides more electricity. All three engines are air-cooled, large bore, short stroke and constructed of cast iron.

Lely South West, Inc., offers the *12500 Fertilizer Spreader* which features a 2,500-pound capacity hopper, auger agitator, automatic remote control shut-off and an adjustable spreading pattern 48 feet wide. The L2500 is PTO-driven with 10 by 15 ribbed implement tires.



Lindig Mfg. Corp. has added the *Kajon Chopper* to its line of shredders and screeners. *Kajon* models will chip branches up to 2½ inches in diameter. Available with four or seven hp gas engines, *Kajon* models feature the



Chop-All Rotor which accepts a variety of material and chops it into one-half-inch sizes. Options include an attachment for leaf collection and a trailer. Also new is the *SCM-720 Porta Screen* with four bearing system suspension to prevent bogging down.

***Locke Manufacturing Company**

Mott Corp. introduces the *Mott Hammer Knife* and the *Interstater*,

**Information unavailable at press time*

both new in a line of vertical flail mowers. The *Hammer Knife* features fine-cut and coarse-cut knives mounted individually, shielded universal drive shaft, belt and pulley guard and rear trash deflector. Among the *Interstater's* features are side mounted mowers that can cut level over a 14-inch curb, a separate power unit for each mower and self-contained chaff and clipping exclusion systems.

National Mower Company offers the 68- and 84-inch *Triplex* mowers. The 68-inch *Triplex* has free-floating reels which follow turf contours without scalping. Its low center of gravity makes it stable. The 84-inch *Triplex* will go anywhere a fairway mower can't, according to the maker.



Rogers Mfg. Company, see *Jacobsen Mfg. Company*

Roseman Mower Corp. introduces its *Hydraulic Mower* with 11 gangs and a 24-inch cutting swath. It can be used with utility tractors equipped with a hydraulic system.

Ryan Equipment Company makes a line of turf equipment which includes the *Greensaire* for greens aeration available in two models, the *Spikeaire*, a power disc spiker with a 25-inch cutting swath and *Spread-Rite*, a top dresser and fertilizer spreader available in two models. Also in the *Ryan* line are the *Mataway* power rake, deep slicer and



(Continued on page 61)



MAINTENANCE CONTINUED

disc spiker, the *Ren-O-Thin* power rake for aeration and thatch removal and several large area turf aerators among others.

Toro Mfg. Company introduces the *Parkmaster 9* lawn mower which cuts a swath 18½ feet wide and will mow 80 to 90 acres a day, according to the manufacturer. It features a 79hp turf tractor and nine six-blade reel-type gang mowers. Seven and five unit models are available with cutting widths of 15 and 11 feet, respectively.



Also new this year is the *Spartan 7*, a reel gang mower. Spacing of the seven blades is staggered, varying from 23 to 57 degrees. The mower is 8¼ inches in diameter with seven chromoly hardened blades double-riveted to cast iron spiders. Width of cut is 29½ inches and height of cut ranges from .50 to 2.25 inches.

Turf-Vac Corp. introduces the *Model FM-10* sweeper to its line this year. In addition, there are several new features on the *Model 70* sweeper which will also be shown.



Vandermolen Corp. introduces the *Diadem 290* spreader with a 50-foot cutting swath. It is capable of spreading fertilizer, seeds, herbicides, granular chemicals, salt or sand. It

features a Dreycal epoxy plastic finish for long-range rust protection. The *Diadem 290* has a capacity of 11 cubic feet or roughly 770 pounds of fertilizer.

Warren's Turf Nursery imports from **Ransomes-Sims & Jefferies Ltd.**, England, a 15-foot hydraulic seven-unit power gang mower for large area mowing. The *Hydraulic 5/7* features hydraulic transmissions, reverse drive to clear choked reels and allow backlapping, power driven wheels for easy transport and is available with a brush and comb set and outrigger rolls.

In addition, the *Auto Certes 20*-inch putting green mower with a high-speed 10-knife cylinder and the *Certes 16*-inch hand-push green mower are offered.

York Modern Corp. offers the *LFT-PR*, a lawn de-thatching machine which also removes leaves and grass clippings and windrows at the same time. It features 117 spring teeth mounted in synthetic rubber, a three hp gas engine and a pull-type hitch that can be hooked to any garden tractor. The *LFT-PR* covers a strip three feet wide.

Turf products, sprayers

Agrico Chemical Company, Div. of Continental Oil Company, introduces *Agrinite 24% Nitrogen Fertilizer*, a turf supplement for all seasons. It features a high percentage of water insoluble nitrogen, long-lasting burning action, and it is odorless.

American Bioculture Company makes *American Bio-Turf*, a biochemical solution which is said to balance the soil environment by retaining moisture, making efficient use of fertilizer and minimizing mechanical aeration through stimulated microbial action. In addition, it breaks down thatch.

Aquatrols Corp of America offers *Aqua-Gro*, *Aqua-T* and *Aqua-Gro Granular* soil wetting agents and *Stoma-Seal* chemical control for wilt.

The Broyhill Company makes a line of turf sprayers which includes the *960* series with tanks in 100 to 300 gallon sizes, 500 p.s.i. piston pumps and handguns among other features. In addition, Broyhill makes the *Model 1860* for spot turf application and the 150-gallon *Model 1660* with eight-inch flotation tires.

Certified Laboratories introduces the *CCL-500* line of high temperature lubricants for maintenance equipment to its line of fertilizers, weed killers and supplemental feeding products for greens and fairways. The *CCL-500* line includes solvents and de-greasers.

Chanderlin Seed Company, Div. of Loft Seed Company, offers *Baron Kentucky Bluegrass*, a new aggressive variety. It is dark green, wide-bladed, low-growing, dense and rapid-germinating. It will be available in the fall of 1971.

Chemagro Corp. offers a line of pesticides which includes *Baygon*, a wettable powder for control of flies and mosquitoes; *Dasanit 15% Granular*, an ornamental and turf nematocide for control of plant parasitic nematodes; *Dexon*, a wettable powder for control of root rot, seed rot, heart rot and cottony blight; and *Dyrene*, a wettable powder for fungus control.

Chipman Div., Rhodia Inc., makes *Chipco Turf Products* which include *Chip-Cal Granular* and *Chipco Turf Herbicide MCPP* among other fungicides, herbicides and pesticides.



W.A. Cleary Corp. offers a line of herbicides and fungicides which in-
(Continued on page 62)



TURF PRODUCTS CONTINUED

cludes *Clear-Spray*, a liquid anti-
dessicant to prevent moisture loss;
Caddy, a liquid cadmium fungicide
for red thread, dollar and copper spot;
and *MCPP* for weed control in
Bentgrass greens. Also offered are *All
Wet*, a 100 per cent non-ionic wetting
agent, *Thimer*, a wettable powder
fungicide and others.



Cloro-Spray Corp. features *Dew-
Down Xtra* wetting agent and *Ferro-
Spray Plus*, a liquid fertilizer con-

taining iron, in its line of fertilizers
and wetting agents. *Dew-Down Xtra*
contains chlorophyll to aid photo-
synthesis. *Ferro-Spray* is an iron
solution which is soluble in cold
water and stable.

Con-Pres-Pak has developed a con-
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cides for turf disease control.
Featured are *Dacthal W-75*, a pre-
emergent herbicide for crabgrass and
Poa annua control; *Dacamine Turf*, a
post-emergent herbicide for control of
broad leaved plants, and *Daconil
2787*, a non-mercurous fungicide for
turf disease control.

**E.I. DuPont De Nemours &
Company** introduces *Tersan 1991*
new in its line of turf fungicides. It is
recommended for use as a spray in
controlling dollar spot, brown patch
and *Fusarium* patch. Also offered are
Tersan LSR turf fungicide recom-
mended for leaf spot diseases and
Tersan SP for control of snow mold
and *Pythium* blight.

Eagle Picher makes *Dialoam*, a turf
condition composed of a granular
diatomite material. It is said to cut
compaction, improve drainage and
retain moisture and is non-toxic and
compatible with all fertilizers.

Elanco Products Company features
Balan Granular, a pre-emergent turf
herbicide for control of major weed-
grasses including *Poa annua*. The
chemical is waterproof to prevent

(Continued on page 65)



TURF PRODUCTS CONTINUED



leaching away by irrigation and rainfall. It contains no poisonous arsenic, mercury or lead. It also leaves no residue since it is gradually deactivated by normal soil activity.

Hercules Inc., makes Nitroform, a nitrogen fertilizer that comes in two forms. Blue Chip is granular and free-flowing and designed for dry application in mechanical spreaders. Powder Blue is a powder suspended in water to be applied with a sprayer and used on greens and other closely knit turf.

J.M. Huber Corp. introduces Huber Top Dressing Mix, a ready-to-use top dressing composed of sand, soil and peat. In addition, a fibrous peat is offered in bulk or in four cubic foot bags.

Mallinckrodt Chemical Works offers Calo-Clor turf fungicide and other turf products. Calo-Clor is 60 per cent mercurous chloride fungicide and is recommended for brown patch, dollar spot and snow mold control. In addition, the Spray-Hawk precision mobile turf sprayer is offered.

Millburn Peat Company, Inc. offers peat moss for soil aeration, improved drainage and compaction prevention in building and top-dressing greens and maintaining club grounds.

(Continued on page 66)

THE NATURAL TEE

Highland Colonial Bentgrass is rich-appearing fine-bladed luxury grass that will give you the kind of thick carpet the modern golfer looks for.

Durable and beautiful . . .

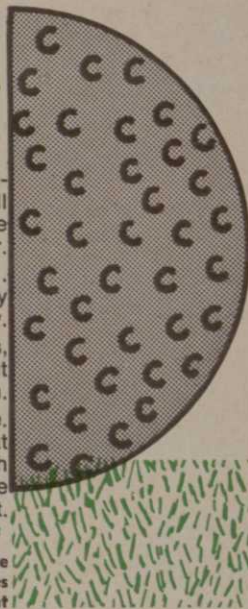
Highland Colonial Bent is just possibly the best value in grass seed today.

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It may be used alone or in a mixture. Highland Bent is a cool-season variety that is always in good supply. With some 8 million seeds per pound, the potential number of plants is great.

Write for free brochures to Dept. B

Highland Bent on the Golf Course
Cultural Practices
Answers to Questions About Highland Bent



HIGHLAND COLONIAL BENTGRASS COMMISSION

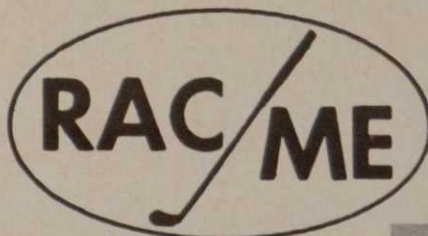
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TURF PRODUCTS CONTINUED

Milwaukee Sewerage Commission offers *Milorganite Fertilizer*, a standard organic fertilizer for golf courses.

F.E. Myers & Brothers Company introduces the *Myers 7020 Series Power Sprayer* designed for chemical applications. The 7020 features a high pressure, 20 gallons per minute pump, 12hp electric start engine and high flotation tires. Epoxy coated tanks are available in 300, 400 and 500 gallon sizes. Also offered are the *Myers 3-point hitch P-T-O air sprayer* and the *Myers 100-ETMP Series* low cost, compact engine powered sprayer which uses a high pressure gun.

National Chemsearch Corp. introduces *Gro-Tard*, a liquid growth control treatment which inhibits weed growth without harming turf, according to the manufacturer. A once-a-year application stunts the growth but makes grass thicker.

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

Plant Marvel Laboratories makes *Plant Marvel* 100 per cent water soluble fertilizers with sequestered minor and trace elements to assure ready root absorbance. They are compatible with all insecticides and are available in eight formulas. Also offered are eight *Aqua-Sol* water soluble formulas for turf feeding and *Fertil-Ade* liquid fertilizer which contains 100 per cent active elements for turf feeding through roots and foliage.

Princeton Turf Farms makes a line of fertilizers.

O.M. Scott and Sons Company announces two additions to their line of *ProTurf* products. These are *ProTurf Starter Fertilizer* and *ProTurf Iron-S*. The Starter Fertilizer provides phosphorous, potassium and nitrogen to aid growth. Iron-S corrects yellowing due to iron chlorosis with an iron-active ingredient.



Smithco, Inc., offers the *Hawk Sprayer* which features a fiberglass tank available in 200 and 300 gallon sizes. The *Golden Eagle Pump* has a pressure range of 0 to 500 p.s.i. In



addition, Smithco offers the *Red Rider*, a three-seat vehicle with a capacity of 23 cubic feet and a heavy gauge steel ramp loading tailgate. It is powered by a Kohler engine.

Stauffer Chemical Company offers *Betasan* for control of crabgrass and *Poa annua*; *Aspon*, an insecticide for chinchbug control; *Vapan*, a temporary soil fumigant; and *Eptan*, a herbicide for wheat control in flowers and ornamentals.

Swift Agricultural Chemicals Corp. makes *Par-X* fertilizer for greens, tees and fairways. It contains a slow-release nitrogen for turf feeding. It is burn-free and leech-resistant.

Terra-Green Div., Oil-Dri Corp. of America, features *Terra-Green* special topdressing to reduce compaction, increase water filtration rates and provide better drainage for greens and tees.

Texas Turfgrass Assn.

Tuco Div., Upjohn Company, offers the *Acti-dione* line of broad spectrum turf fungicides. They are recommended for the prevention and control of disease on bentgrass, Kentucky bluegrass, Merion bluegrass, fescues, bermudagrass and St. Augustinegrass.



U.S.S. Agri-Chemicals Div., United States Steel Corp., makes *Vertagreen* turf foods and *Vertagard* turf protection chemicals. Vertagreen is available in *Tee-Green Technical Turf* food for greens and aprons, *Tournament Plus*, a fairway fertilizer, and *Weed & Feed* for *Poa annua* and crabgrass control. The Vertagard line includes herbicides, insecticides and fungicides. In addition, the *Vertagreen Rotary Spreader* is available for \$16.95.

Velsicol Chemical Corp. features *Banvel* herbicide for control of broadleaf weeds and knotweed. Effective at lower temperatures, Banvel is said to control weeds with an application of one pound per acre. Recommended for use during periods of adequate rainfall.

Vineland Chemical Company offers a line of herbicides which includes *Dal-E-Rad*, an arsenate compound for weed control and *Vi-Pex* and *Vi-Par*, liquid herbicides for clover, ivy, chickweed and bentgrass control. In addition, a line of fungicides is offered.

Warren's Turf Nursery features *A-20* and *A-34* bluegrass. A-20 is a hardy, disease resistant bluegrass which can be plugged into fairways with an automatic plugger. A-34 is recommended for heavily shaded areas.

(Continued on page 68)



Betasan[®] lets your turf grow free

Your turf grows free all season from unwanted grasses and weeds that compete with the beauty of your landscape.

Free from weed competition for soil moisture, plant food and room for your grass to grow healthy and plush.

Now, treat greens, tees, fairways and other turf with Betasan selective herbicide . . . to stop crabgrass and goosegrass . . . prevent *Poa annua* from developing into a problem. Betasan also controls broadleaves, such as henbit and shepherdspurse.

Betasan liquid or granules stop unwanted weed growth in bentgrass, bluegrass, fescue, Bermudagrass, dichondra and more than 35 ornamentals. Betasan interferes with sprouting weed seed . . . controls them before they get a growing start.

Betasan gives effective, economical and long-lasting grass and weed control in established turf, including dichondra . . . leaves no tell-tale burn often resulting from weed control treatment.

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For best results, use Betasan correctly by following label directions carefully. Stauffer Chemical Company, Agricultural Chemical Division, Dept. HD, 299 Park Avenue, New York, NY 10017.

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TURF PRODUCTS CONTINUED

Wyandotte Chemical Corp. offers *Support* and *Surface*, calcined clay soil amendments for constructing and reconditioning greens. *Support* also contains starter nutrients.

Accessories

Container Development Corp. offers the *Lewis Line* of spin action ball washers with one gallon water capacity, closed top, stainless steel plunger rod, nylon brushes, heavy duty towel clip, ball ejection tray and over-the-post mounting. In addition the *GF Series* of tapered fiberglass flagpoles is offered.

Fore-Par Mfg. Company introduces a new line of *Anti-Rebound* tee markers and a line of accessories which includes practice green markers, personalized flags and tee plaques.

Par-Aide Products makes a line of small accessories which includes the *Masters*, the *DeLuxe Single* and the *Twin* ball washers. In addition Par-Aide offers tee and locker room benches, flagpoles, flags, tee markers, cups and hole cutters and a line of spike brushes.

Standard Mfg. Company makes a line of color-coordinated consoles that incorporate into one unit a washer, litter caddie, towel and spike cleaner. Color-coordinated tee benches and markers also will be offered.

Other

American Society of Golf Course Architects

Foley Mfg. Company makes the *Model 365 Lapping Machine*, the *Model 388 Lawn Mower Grinder* and the *Model 398 Rotary Blade Grinder and Balancer*. The *Model 365*, which sells for \$115, features a reversing switch which sharpens reel mower blades without removal. The *Model 388* for sharpening rotary mower blades is equipped to make right and left hand cuts and has a built-in balancer.

National Golf Foundation □

For more information circle number 269 on card