

MOST EFFECTIVE KILL

*of Crabgrass, Dallis Grass,
Lemon Grass, Sedge, etc.*

AT LOWEST COST

DI-MET *Proved America's Best in every Geographic Zone*

Golf course after golf course reports startling success in controlling obnoxious grasses with DI-MET formulations. DI-MET has produced 100% kills with just two applications without injury to turf!

Choose from these four Post-Emergence controls, all easy to apply with any spray equipment.

DI-MET Liquid (30% DSMA) - Safest, most effective for hot, dry Summer conditions. For bent putting greens and other turf.

DI-MET Concentrated Powder (98% DSMA) - A water soluble preparation of this famous product.

DI-MET Special with AMA (16% Octyl & Dodecyl Ammonium Arsonate) - A liquid formulation. Recommended for late Spring, Early Summer, Fall. May be used in summer if moist conditions prevail. Produces visible killing action in as little as 3 days.

DI-MET Plus 2 (Available in liquid or powder form) - Includes 2,4-D and a wetting agent for simultaneous control of weedy grasses and common weeds. Effective against crabgrass, dallis grass, lemon grass, sedge, bull grass, dandelion, knotweed, plantain, etc. (Not to be used on bent putting greens.)

NOW You Can Practice Pre-Emergence Control in ANY SEASON!

DI-MET P.C.C. kills seeds remaining in the soil after post-emergence treatment. Prevents crabgrass from germinating late in season or in future years. Ideal for use in conjunction with any of the above DI-MET products for complete control program. Safe to use even in hot, dry summer. Residual effect lasts for years, needs only 3 to 4 lbs. "booster shot" per 1,000 sq. ft. to remain effective year after year.

O. E. LINCK CO., Inc. Clifton, N. J.

NOW! Have beautiful

New TURFACE soil supplement keeps greens alive and fresh!

1 RETAINS MOISTURE AT ROOT LEVEL

TURFACE, the first *complete* soil supplement specifically recommended for conditioning golf-course greens and tees, eliminates hot-weather burn-out *by absorbing its own weight in water*. This root-level holding action retains enough moisture to minimize the damage from prolonged dry spells.

2 STIMULATES DEEP ROOT GROWTH

Soil conditioned with TURFACE allows water to quickly penetrate down to root level and below. This moisture will *remain* deep in the ground long after surface soil has dried out. Less frequent watering is required, and the roots will grow toward the moisture, producing a deeper root structure.

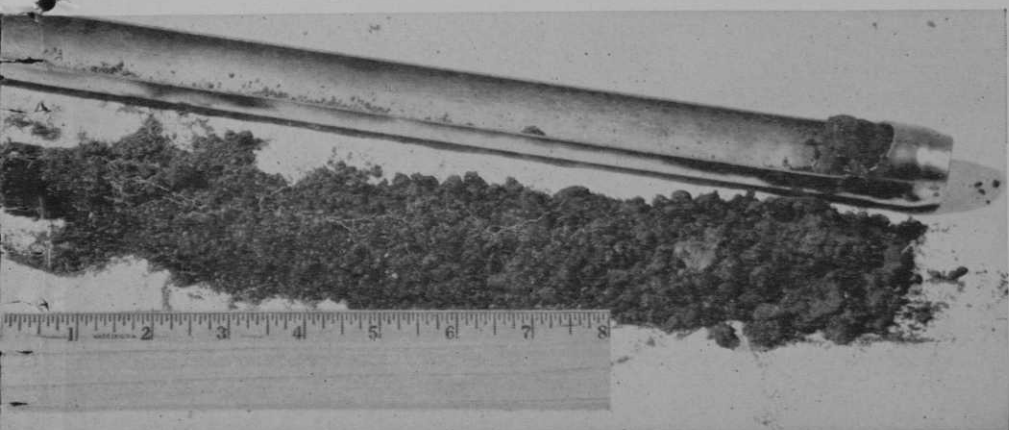
3 GIVES SUPERB DRAINAGE AND AERATION

TURFACE *drains 4 times faster than sand!* Greens are playable even after repeated hard showers! And top dressing a green with TURFACE produces a constantly loose soil structure. Wet or dry, TURFACE will not compact, cake or break down. It acts as a "separator" in sticky, gummy soil—letting roots breathe.

4 REDUCES DANGER OF DISEASE

Greens constructed with sand cannot hold or absorb the water that is *essential* to good root and turf structure. TURFACE works to control moisture content, thus reducing the danger of disease when high moisture or drought conditions prevail.

greens all season long!



HERE'S PROOF THAT TURFACE PRODUCES HEALTHY GREENS!

This plug, taken from a green top dressed with TURFACE for *five* seasons, shows soil still loose and granular. Note how light character of treated

soil permits 8" root growth. (Standard twice-a-year treatment: One 50-lb. bag of TURFACE for each 500 square feet of green surface.)



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Course or Club _____

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were applied uniformly? We know a piece of turf that was treated with a material that does not burn. There was no damage but now, several weeks later, every spot that had a heavy dose is a dark rich green. In between the grass is anemic, starving.

This spring we were shown a putting green that had been seriously damaged by the hard winter. There were odd circular streaks of green and brown that defied analysis. Finally it was determined that the tractor, which had incorporated a sterilizing agent into the soil before the green had been planted 16 months earlier, was partly responsible. The circular marks coincided with the circular motion of the tractor.

It Happens Over and Over

It seems ridiculous to be obliged to mention this but it is still happening! Many putting greens develop spots or areas where the grass does not do well. Upon examination it is discovered that the materials used in building were not applied uniformly. One can find pockets of pure sand, undiluted peat or manure and chunks of clay. Such non-uniformity as this can lead only to future trouble.

Regardless of the method of applying any material, the accuracy and the uniformity can be no better than the operator, assuming that the brainless machines are in "perfect" working condition. Many machines are taken out on the job before they are tested for accuracy. Even if the machines are operating perfectly, the operator is the only one who can insure perfect uniformity of application. A moment of carelessness and ruined grass may mar his efforts.

Uniformity of material is important, also. Lumps and chunks can clog openings. It is a mistake to try to use such materials until screening or sifting has produced a uniform texture.

Hand Watering Best

Mistakes in watering long have intrigued us. Many have pointed out that the centers of putting greens are the hardest hit after a severe winter. Sprinklers have no brains — they just sit and pour out water so long as they are connected. When sprinklers are set around the outside of the greens, it doesn't take much imagination to realize that the center of the green will receive much more water than it needs simply because of the overlap. The most uniform greens we have seen have been those that have been



Monte Moncrief, USGA Green Section agronomist (left), shows Charles Campbell, pres., Texas Turfgrass Assn., the story of turf management as told by a small section of a green at Ranchland Hills CC, Midland, Tex., during West Texas regional field day. Campbell, director of parks and recreation for Midland, is in midst of Hogan Park 18-hole course construction and a playground building job. Jimmie Gamewell, a supt.-pro with a great deal of successful experience with tough conditions of West Texas, is bringing the Hogan job along in great shape, says, Campbell. Conference at Ranchland drew 35 persons, big attendance considering distance the supts. have to travel and their urgent work in mid-May.

watered by hand, where and when needed.

Perhaps some day there will be invented a device that will apply materials with perfect uniformity, without mistakes, and without having to depend upon human judgment to such a high degree. What a boon that would be.

Kentucky Blue to Bent

Q. We have some greens that are Kentucky bluegrass only. Can we sow Astoria bent with a light topdressing and eventually have a bent green? We have thrown bent clippings from some greens on to fairway grass and now have bent on some areas on the fairways. (Minnesota)

A. During recent visits in the northern part of the country, I have seen where Astoria bent has suffered very severely during the winter. I would advise against sowing Astoria bent into your bluegrass greens. I would much rather you would use Penn-cross bent seed because it has the possibility of being more permanent, more resistant to disease and will give you a tighter, denser putting green. One lb. of Penn-cross bent seed to 1,000 sq. ft. is the maximum planting rate. It would be best to use a spiker

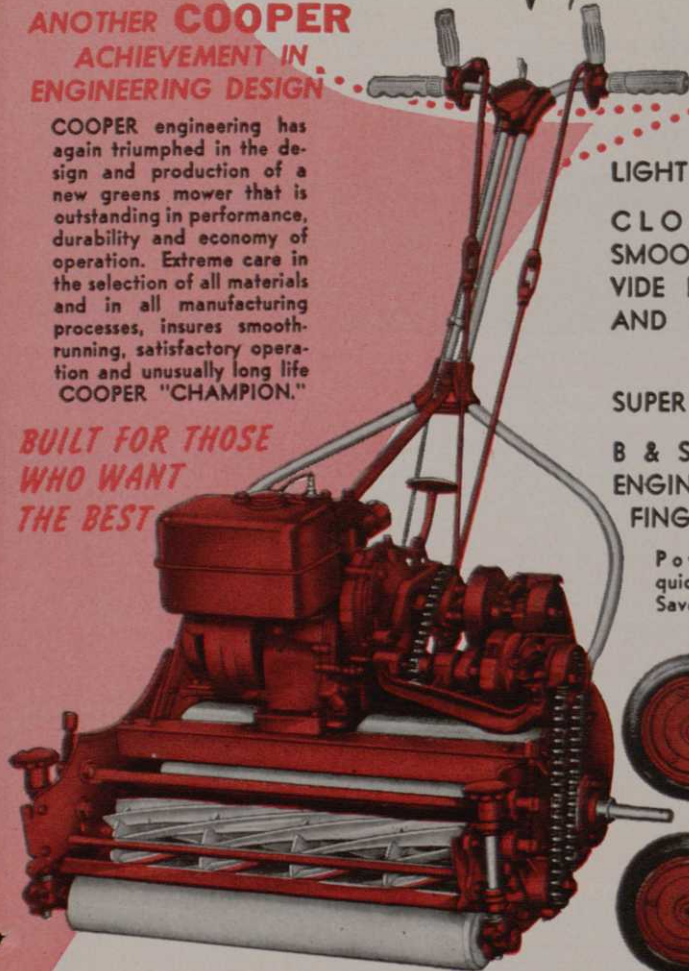
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WHO WANT
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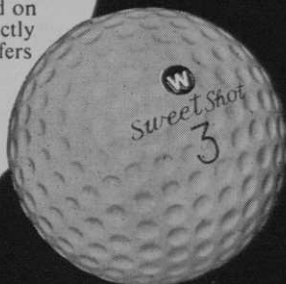
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and thoroughly spike the greens in several directions before sowing the seed. After sowing, put on a very light sandy topdressing and keep the green moist to germinate the seed rapidly.

If you are blessed with a naturally sandy soil, you might wish to consider seeding Pennlawn creeping red fescue into your Kentucky bluegrass greens. This grass can stand much closer mowing than bluegrass and has the possibility of making a very good putting green. If, however, your soil is heavy, it would be much better to use the Penncross creeping bent seed.

Greens Went Out

Q. Last spring (1958) I seeded 9 new greens. I laid sump sand (which is a by-product of washed river gravel) over farm meadow. This sump sand had a pH of 6.5. I then seeded colonial bent on top of this sump sand. I watered the greens about every day and fertilized three times during the summer. The bentgrass came up good but never showed a dark green color.

My course is located in northern Vermont and this past winter was very cold and snowy. This spring, as of May 8, the new greens were completely browned and dead. I wonder if you know what caused the Colonial bent to die and what would be the best thing for me to do as far as rebuilding the greens. (Vermont)

A. Colonial bent and Poa annua both took a severe beating this past winter and spring. Poa

is recovering but the colonial bent does not recover.

Not knowing more about your "sump sand" it is difficult to answer your questions intelligently. You have not identified your feeding program. The lack of dark green color would indicate nitrogen hunger. There could have been a severe potash hunger. Above everything else, Colonial bent is the least likely to produce a putting green.

Had you considered the possibility of seeding the greens to Pennlawn creeping red fescue? This grass will do well in sand with minimum water and attention other than proper feeding and mowing. It would be my choice of a grass to seed now in order to have greens to play on this summer. Red fescue germinates quickly. Seed at rate of 4 lbs. to a thousand, fertilize with a gentle, safe, long lasting nitrogen balanced with P and K in about a 3-1-1 ratio.

**USDA Field Day
To be Held August 4**

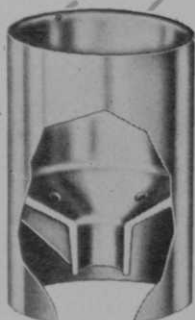
The U. S. Dept. of Agriculture turfgrass field day will be held Aug. 4 at Beltsville, Md. The research service div. has considerable research work in progress and a review of it will be one of the highlights of the field day.

Finest Quality **GOLF COURSE EQUIPMENT**

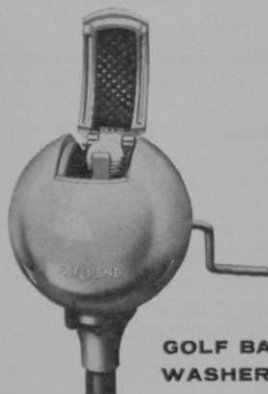
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3

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Swinging Around Golf

(Continued from page 20)

by Pete Caudle and Charles Fraser . . .
 Course on the island designed by George W. Cobb.

Henderson (N. C.) CC rebuilding \$170,000 clubhouse burned several months ago . . . Meadowbrook CC, Atlanta, Ga., leased to Links, Inc., and will be extensively remodelled and converted to private club . . . John Owen and Chic Adams are heads of Links, Inc., new organization for developing country clubs from course plans through membership campaigns.

Floyd S. Rood, golf enthusiast who is confident that golf at schools for unlucky or delinquent kids would help the lads get straightened out, getting first chance to prove his case with course at Marianna, Fla. . . . Kids will build, operate and play course . . . Expects kids will learn how to be good caddies, good gentlemen sportsmen and good citizens . . . Good luck to the guy . . . The kids can make him look good or like an overly-hopeful chump, but he's willing to take a chance.

Miami, Fla., awards contract for constructing first 9-hole course to design of Luke Morris . . . Morris type of course has three tees for each green and three par 3, three par 4 and 3 par 5 holes per nine . . . If the Morris plan doesn't work out the new course, an addition to Miami Springs CC, can be converted to a par 3.

Harry Flora again at Blaney Park (Mich.) resort course for summer . . . Peter Manning, pro at Lexington (Mass.) CC, says encouragement that Mike Brady gave caddies around Boston was first big boost homebred pro crop ever got . . . Feature story in Brockton (Mass.) Enterprise & Times on appointment of George A. Aspacher, pro at D. W. Field muni course, to PGA Education-Teaching committee.

Open first 9 of Sunnybrook CC, Grandville, Mich. . . . Jim Unwin is pro . . . Paul McDermott now pro at St. Joseph, Mo., Fairview muni course . . . Everett Owens moves from Fairview to be pro at St. Joseph CC.

Ralph DeStephano, son of Charley, pro at College GC, Poughkeepsie, N. Y., now pro at Shawangunk CC, Ellenville, N. Y.,



Pro-Grip

is prepared especially for the leather grips of Golf Clubs. It gives a firm, tacky grip with light hand pressure, permitting an easy relaxing rhythmic swing. Your accuracy will improve, you'll feel relaxed . . . and those "Extra Strokes" will vanish.



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succeeding Bleecker Bradford who resigned because of poor health . . . Tom Mahan, pro at United Shoe Co. course, Beverly, Mass., got his first pro job when he was 13 and became pro at Nahant (Mass.) GC in 1914 . . . Ed Furgol enjoying return to home club pro duties as pro at new Montauk Downs Club (NY Met dist.) . . . Bill Ezinicki now supervising and consulting pro for George Page's four courses, Colonial in Lynnfield, Unicorn in Stoneham, Locust Valley in Attleboro and Lynnfield Center CC, all in Massachusetts . . . That gives Bill a chance to play many of the circuit events . . . Bill Sharman now resident pro at Unicorn.

Bruce Irwin, formerly asst. at Glens Falls (N. Y.) CC has been made pro-supt., Battenkill CC, Greenwich, N. Y. . . . Obie Drunadge retiring as Battenkill supt. after 30 years with club but will continue in advisory capacity . . . Oak Hill CC, Richmond, Va., opens first 9 . . . Dick Amidon is pro-supt. . . . Buck Luce, pro at Sands Point GC (NY Met dist.) in summer, will leave winter job he has held at Villa Real Club near Havana to be pro at Rivera CC, Coral

Writers' Deadline

Deadline for the third annual Burke Golf Writing competitions is Sept. 30. Cash prizes of \$200, \$100 and \$75 are offered in both news and feature divisions. All entries should be sent to Carol McCue, Chicago Dist. Golf Assn., La Salle Hotel, Chicago.

Gables, Fla. in winters.

New Haven, Conn., celebrating its 60th year of golf and 30th year of municipal golf by opening new clubhouse at muni course . . . Valley View course at Utica N. Y., getting new \$216,000 clubhouse which will pay for itself . . . Glendale, Ariz., planning to build muni course and lease it . . . Robert Carlson and Harry H. Cleveland open first 9 of their Oakwood-Amerherst GC in suburban Buffalo, N. Y.

Stanley N. Armstrong building Camp Hill 18-hole semi-private course at Harrisburg, Pa. . . . Expects to have it in play next spring . . . Otto Schael, formerly supt., Wausaw (Wis.) CC, in charge of building 18-hole course for River Hills G&CC, Wausau, Wis., to plan of Gordon

FOR A

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TO THE COURSE . . . ON THE COURSE

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The battery that made the golf cart a success. Mr. Big is oversize — a battery with tremendous starting punch and staying power. Built to take long, hard use on the golf course and bounce back to life with regular recharging. For extra distance tee off with Mr. Big.



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SAINT PAUL 1 MINNESOTA

Longville, pro at Stevens Point (Wis.) CC.

Flushing Valley G&CC, Flint, Mich., 9-hole course closed in 1942, now restored to operating condition as private club . . . Dave Heiss is supt. and Carl Manglesdorf is pro . . . C. W. Jones, Kansas City, Mo. real estate developer, plans 1,400 home development and golf course near Independence, Mo.

University of Maryland 18-hole course opens first 9 of its new course and expects to open second 9 in August . . . Alexander Pierce who was construction supt. of the course for architect, George Cobb, stays on as course supt. . . Frank Cronin, varsity golf coach, is director of the course . . . Laguna Niguel Corp. to start soon building course as detail of community development on 7000 acre Shumaker property south of Laguna Beach, Calif.

Ralph Hutchinson, Saucon Valley CC, Bethlehem, Pa., pro at the Masters and the National Open, does the best job of announcing in sports and under difficult conditions . . . He has to be a lightning calculator and biographer as well as newscaster . . . Hugh Moore of Albany, Ga., has completed 9-hole course for Blakely (Ga.) CC . . . Moore says Tifton 328 has revolutionized Southern course main-

tenance to the extent that even the small town courses aren't satisfied with anything short of top playing conditions.

When Bill Hyndmann, the Walker Cup star, was knocked out of the North and South Amateur this year, he was victimized by Jack Guenther . . . Last summer the same Guenther lost to Bill's son in a Pennsylvania amateur tournament . . . Young Hyndmann is a leading Pennsylvania prep school golfer — and who knows (?) may beat the old gent occasionally . . . During the administration of John Walter, Detroit News golf writer, in 1958, the GWAA tried unsuccessfully to have all players in major tournaments listed on the scoreboard alphabetically . . . Where 150 or 200 players are involved this would make it immeasurably easier for the fans to locate scores of their favorites, but it probably will take proper officials another 10 to 20 years to see the light.

Stanley M. Clark, retired vp of The MacGregor Co's golf div., died in June in Cincinnati after a long illness . . . He was 62 . . . Mr. Clark joined MacGregor in 1937 as credit mgr. and served for 10 years as vp before his retirement in 1956 . . . He was particularly helpful to young pros and helped to guide many of them in the right business direction . . . Mr.