

USE NEW

AZAR*

Selective Pre-Emergence Herbicide

KEEP TURF FREE OF CRABGRASS

WHAT IS AZAR?—Azar* is Hercules' new carbamate herbicide for pre-emergence application to control crabgrass. It is recommended for use only on established turf.

HOW DOES AZAR WORK?—Azar must be applied before crabgrass seeds germinate. It acts to prevent germination and initial growth of the crabgrass.

HOW IS AZAR APPLIED?—Azar, available as an 80% wettable powder, readily disperses in water for application in conventional spray equipment.

WHAT ARE AZAR'S BIG ADVANTAGES?
—One application of Azar prevents crabgrass infestation all season, when applied as recommended.

It is effective at an economical rate of application. Most commonly used turfgrasses, once established, are tolerant to Azar. It is substantially odorless.

Based on available data, Azar has low toxicity to humans and pets. In fact, it can be classified as "practically nontoxic" to humans and warm-blooded animals as defined in "Clinical Toxicology of Commercial Products," Gleason, Gosselin, and Hodge.

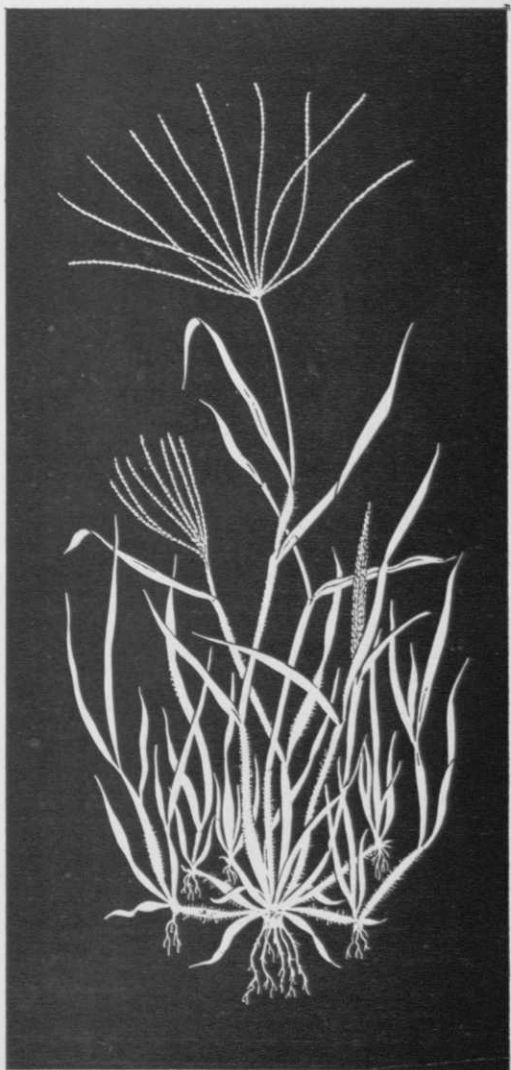
WHERE IS AZAR AVAILABLE?—Contact your Hercules Nitroform® Turf Specialist, or the nearest Hercules office listed below, if your regular turf specialty supplier cannot help you.

HERCULES POWDER COMPANY
INCORPORATED

910 MARKET STREET, WILMINGTON, DELAWARE 19899.



HERCULES



BOSTON, MASS.; DALLAS, TEX.; GREENVILLE, MISS.; LOUISIANA, MO.; MONTGOMERY, ALA.; RALEIGH, N. C.; SAN FRANCISCO, CALIF.

HERCULES TRADEMARK

5254-2

April, 1964

Want Championship Greens?



Then plant *Warren - STOLONS*
Grown on Sterilized Soil

DEFLOWERED BEFORE SEEDING TIME TO PREVENT CROSS POLLENIZATION

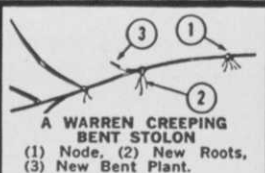
Field sterilization assures purity of strain — prevents *Poa Annua* — eliminates off-strains of Bent — kills weed seeds.

Pure strain foundation stolons grown on sterilized soil result in velvet smooth greens of uniform texture and color.

Our research has shown that when greens are grown with Bent seed, there can literally be hundreds of variations in color and texture from the same seed bag, because of the variability of seed. People illustrate this principle: a dark-haired mother and blond father could have a red-haired child.

When greens are grown from stolons, it is the same individual plants which grow again. Therefore, uniformity is maintained in color and texture of the grass.*

**For further information on this subject, check coupon.*



Warren's Stolons give more nodes per bag.

Shipped anywhere on the North American Continent within forty-eight hours

Golf course superintendents from New York to California — from Mexico to Canada are numbered among our satisfied customers.

Ask about our new Putting Green Bluegrass Sod for easier maintenance. Ideal for Par 3 courses, home putting greens, Motels, Clubs.

Warren's TURF NURSERY

8400 W. 111th St., Palos Park, Illinois

Send us details on beautiful, hardy, vigorous greens and tees with Warren's Stolons • Warren' Sod

FREE LITERATURE

- "Construction and Planting of Putting Greens with Creeping Bent Sod or Stolons."
- "Genetic Variability in Creeping Bent" A study of seed versus stolons for planting putting greens.

Club Name _____

Address _____

City _____ Zone _____ State _____

Superintendent _____

For Perfect Putting-Greens
PLANT

Warren' Sod
or
Warren' STOLONS

Jimmy Todd will decide the opening date for new 18 built by Morris County, N.J. . . . They hope to permit play in early May . . . Total Morris golfers already signed up exceeds 1,000 at \$5 per membership . . . Billy Farrel of Scotch Plains (N.J.) G&CC is the new head pro at Stanwich CC in Greenwich, Conn. . . . Sixty acres have been cleared and planted for a new course in Cape Haze, Fla. . . . Jefferson, (Pa.) CC plans to open 9-hole course and swimming pool on June 1.

George Astor, pro at the Fountainebleau Hotel in Miami Beach, Fla., will take over the pro spot at Poland Spring (Me.) CC . . . The Heritage CC in Charlton, Mass., will have the first 12 of 18 holes completed by mid-July . . . Pro Don Hoenig is a partner in the \$350,000 Heritage layout . . . Jimmy Nichols, the noted one-armed golf pro, has left his position at the Hillandale Club in Trumbull, Conn. and moved to the new Jabish CC in Belchertown, Mass. . . . Jimmy's spring schedule includes an exhibition with Chi Chi Rodriguez, Walter Burkemo and Dock Goss in Atlanta, Ga.

Hal Cahoon, Jr., assumed duties as head pro at Navesink CC on April 1 even though the Middletown, N.J., course won't officially open until Memorial Day . . . Somers (N.Y.) CC, formerly a private operation, will open its improved facilities to the public, according to the new owners . . . The Ponderosa Estates and Golf Club, being developed in Sanford, N. C., by pro Jim Overton, is a country club and housing project . . . Pinecrest CC in Emerson, N. J., will open for spring play . . . Cavalry Club in Manlius, N. Y., near Syracuse, is planning to build a course . . . Eleven new courses are scheduled to open in the Philadelphia PGA area this year . . . N. C. Ginther, Jr., developer of the Eldorado CC in Houston, Tex., has plans for a \$60,000 pro shop and lockerroom.

Luke Ross, a veteran golf pro and former caddy for Bobby Jones, has been named head pro at Berkshire Hills CC near Chesterland, O. . . . Delray Beach (Fla.) CC, onetime munny sold to private operators is up for re-sale . . . A 9-hole

from tee to green
SOD MASTER
for better turf at
a lower labor cost!



New
METE-R-MATIC
POWERED TOP DRESSER

The only machine of its kind with exclusive revolving brush that drives top dressing down to the base of the turf . . . where it belongs! One man can do the complete top dressing job alone because raking, pole whipping, and mat dragging is practically eliminated. Mechanically positive dispensing mechanism *does not* depend on agitation or vibration for spreading.

- Genuine Terra-Tires on traction wheels
- Complete control system within reach of operator

EDGE-R-RITE
POWERED TURF EDGER

- Safe (non-spinning), vertical oscillating cutting blade.
- Cleaner, sharper trim edges. Trimmings easily gathered.
- One setting for depth and angle of cut.
- Controls mounted on handle bar.



Bantam SOD CUTTER

Though compact in size, the SOD-MASTER Bantam is a giant for work . . . cutting sod cleanly and easily at a rate in excess of 120 ft. per minute! Extremely easy to handle. Exclusive cutting action slices through sod.

- Duo-control handle controls both depth and angle of cut.
- Clutch and throttle on handle bar.



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SOD MASTER

3456 No. Washington Ave. • Minneapolis, Minn.

course for beginning golfers is proposed for the Rocky River Reservation near Cleveland, O. . . . Keenandoa Club, near Utica, N.Y., hopes to begin construction of \$190,000 course, clubhouse, tennis courts, swimming pool and picnic area with the backing of the federal Farmers Home Administration as soon as weather permits . . . Delhi, N.Y., is showing considerable interest in golfing facilities for the area . . . Heavy bulldozers are at work on the new 18-hole course at Green's Folly farm near Sinai, Va. . . . Completion is set for later this year.

Orange County, N.Y., plans to add second nine to existing layout and clubhouse facilities . . . Bowling Green, O., city council is considering the lease of public lands for 15 years at \$500 per, to local country club . . . The lease spells out a no race, color or creed restriction . . . Immediate construction is slated for conversion of the old Studebaker Proving grounds in St. Joseph County near South Bend, Ind. . . . Plans include 18-hole course, ski facilities, swimming pools and ice skating areas.

Board of Directors of the North Shore CC in Milwaukee, Wis., have recommended relocation to the members . . . Ted Kroll, so the story goes, was recommended for his new pro job at Franklin Hills CC near Detroit, Mich., by former President Dwight D. Eisenhower . . . Wally Burkemo has moved from Franklin Hills to the Country Club of Detroit . . . Fred Lindstrom and his wife, the former Murle McKenzie, return as co-pros to Pleasant Valley CC in Sutton, Mass.

Coke County, Tex., adding five holes to existing four at Bronte, and plans to operate the course for the public . . . Fargo, N.D., is taking bids for construction of a 9-hole Par 3 . . . Columbus, O., plans 18-hole layout . . . To be located in the picturesque Rock River area of north-central Illinois, a new 18-hole course will be started this fall as an early step in a land development called "Lost Nations".

Goshen, Conn., fire department razed the New London CC clubhouse to make way for new building which is to be completed by July 1 . . . El Camino CC in South San Francisco, Calif., has slated

new facilities to include pro shop, short course, new 9-hole layout and lounge . . . Both San Bernadino County and Riverside County in Calif., plan public course in the Prado Basin . . . Dec., 1964, has been set as the target date for clubhouse construction at Miami Lakes CC in Hialeah, Fla.

New private CC is planned for Prentiss, Miss., with golf, swimming, horseback riding and tennis facilities . . . Inglewood, Calif., has a new 18-hole Par 3 course under way as part of a condominium development . . . About 170 golfers out of the Chicago District Golf Association's 20,758 members are listed as having handicaps of 3 or under . . . Average handicap in the CDGA is 17.4 . . . Ken Flanders, supt. at Brae Burn CC in Houston, Tex., is laid up with a serious back injury . . . Scheduled to speak to the Texas Turfgrass group on May 12 are Tom Mascaro, president of West Point Products, and Jim Lipari of the Upjohn Co.

Cherokee County, S. C., received a loan of \$248,000 from the federal government's Farmers Home Administration for construction of a course . . . The Cherokee layout will be called the National Golf and Recreation Club . . . In Indianapolis, Ind., 188 acres have been set aside for new munny 18 to be built next year . . . Cedar Rock CC, a new course and home development near Lenoir, N.C., should be ready for autumn play . . . Pine Ridge Golf Center in Waterville, Me., will open in early spring . . . Designed by James Schoenthaler, Pine Ridge is said to be the most modern and compact 9-hole layout in central Maine . . . Petersburg, Va., is selling its 9-hole munny to private recreation club for reported \$25,000.

Berrien Hills CC in St. Joseph, Mich., is ready for spring with its enlarged and remodeled clubhouse . . . Remodeling at the Shore Hills CC in Rock Island, Ill., will run about \$180,000 for an improved clubhouse . . . New clubhouse construction at Top O' the Hill CC in Bowie, Tex., is underway . . . Multi-million dollar Silver Lake Estates near Las Vegas, Nev., includes 9-hole layout . . . Farmington,



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A FINALIST...***

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FOR DETAILED INFORMATION WRITE FOR CATALOG

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DEPT. G

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Jacobsen



New! Built lowest for safe, fast turf mowing!

New Model G-10 Tractor was designed and built specifically for turf mowing over all types of terrain! Lowest center of gravity of any mowing tractor permits safe operation of G-10 even on steep slopes. Short turning radius affords greater maneuverability for getting in and out of tight corners. Hydraulic

brakes enable you to stop smoothly without scuffing the grass. Operates from a controlled crawl to a road speed of 45 mph. See your Jacobsen Turf Equipment Distributor or write to Jacobsen Manufacturing Co., Dept. G-4, Racine, Wisconsin.



When You're
Talking Turf...



DOGGETT FISON
C O M P A N Y

TURF HERBICIDES

FISONS MCPP SELECTIVE WEED KILLER

A potassium salt formulation containing 2½ lbs. of MCPP per gallon. Made available through Fisons research in England. Developed especially for use on fine turf grasses where control of chickweed (common and mouse-ear), clover, and knotweed has heretofore been difficult to accomplish without injury to bent grasses, bluegrass, and fescues. Because of its safety features, it is slow-acting; full effects from treatments are not visible for about three weeks.

Also available — **FISONS DSMA 100 AMA** for crabgrass control as well as **FISONS DSMA 100** for control of Dallis grass.

TURF FUNGICIDES

FISONS DAP-CAL

60% Mercurous Chloride, 30% Mercuric Chloride. Suspension type fungicide based on combination of mercury chlorides for positive long-lasting control of Large Brown Patch, Dollar Spot, Snow Mold.

75% Thiram

FISONS TURF-TOX

Wettable powder 75% Thiram, a proven fungicide for the prevention and control of Brown Patch, Dollar Spot, Snow Mold, Fisons TURF-TOX may be safely mixed with mercury to your own specifications. Apply to prevent disease or to control it after it occurs.

Thiram with Mercury

FISONS TURF-TOX MC

One convenient wettable powder formulation that eliminates the need for on-the-spot mixing. Fisons TURF-TOX MC combines the widely used turf fungicides, Thiram, Mercurous Chloride and Mercuric Chloride, for the prevention and control of Dollar Spot, Brown Patch, Copper Spot, and Snow Mold.

Also available — **FISONS 10% PHENYL MERCURY ACETATE**. Effective for control of Bluegrass Blight, Curvularia Blight, Copper Spot, Dollar Spot, Pink Patch, Snow Mold.

TURF FERTILIZERS

FISONS XL TURF FERTILIZER 28-7-14

A concentrated water soluble fertilizer in the popular 4-1-2 ratio suitable for use on greens and fairways. XL Turf Fertilizer provides a better control of growth, texture and color by going to work instantly, feeding through blades and roots.

Also available — **XL LIQUID FERTILIZER, 15-10-5**, and **STOP-WILT**, an emulsifiable vinyl compound in concentrated form for preventing moisture loss.

For further information and the name of your nearest distributor, write:



DOGGETT FISON
C O M P A N Y

Springfield, New Jersey

N. M., wants to build a 9-hole Par 3 at a cost of \$30,000 . . . Robert Trent Jones is building the new Pebble Pines in Pebble Beach, Calif. . . . It's being financed by \$2,500 memberships from each of 200 founders . . . Annual dues at Pebble Pines will be only \$50.

Howie Atten's Edgewater Golf Course in Grafton, Wis., opens for its first full season this spring . . . Atten's facilities include a regulation nine, practice area and modern clubhouse with a good-sized pro shop . . . Los Robles (Calif.) Greens GC, opening April 15, expects to have a men's club of 250 . . . Gary Player was the 27th qualifier for the Tournament of Champions, April 20-May 3, at Desert Inn CC in Las Vegas, Nev. . . . Record number of tourney entrants in the winners-only match was 28 in 1963 . . . San Francisco's record gate for tourney viewers, chalked up last January at the Lucky International Open, is \$81,516 . . . on the other side of the coin is a loss of over \$4,000 due to increasing operating costs of such an event.

Ever hear of someone making an ace and never mentioning it . . . It happened at Willowick GC in Santa Ana, Calif. . . . The pro shop knows an ace was made but they haven't the foggiest who made it . . . Seems the unknown hero went somewhere else to celebrate . . . Brockton, Mass., is considering emergency water supplies for its three munys until the city's water shortage is solved . . . One plan consists of hauling overflow water from local artesian wells by 5000 gallon trucks to the courses.

British Overseas Airways Corporation has instituted an interesting golf vacation for under \$650 (for each of a foursome from New York) . . . Fifteen day vacation includes play on such great courses as St. Andrews, Gleneagles, Hoylake and Royal St. Anne's . . . First class accommodations, meals and a rented car are included in the tab.

Dorneyville Golf Center in Allentown, Pa., has added a second lighted nine to its Pitch and Putt setup . . . It's Dorneyville's 10th year of operation . . . Jamaica's Trelawny Club at Runaway Bay has signed Marilyn Smith as its representat-

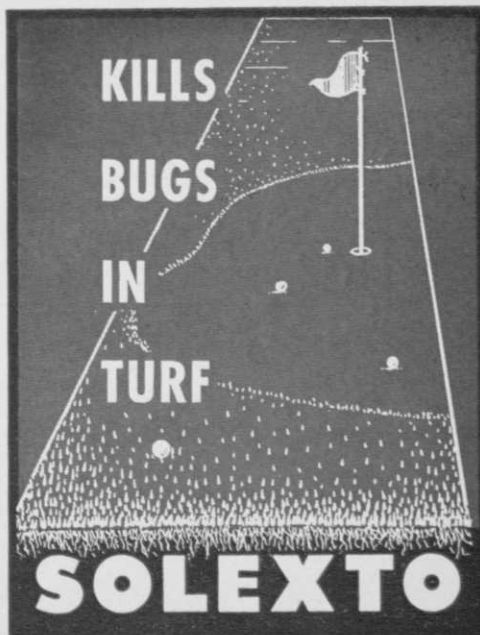
ive on the Ladies' PGA tour . . . Eleven events are slated for the Northern California PGA spring season with seven spots still to be filled . . . Scott Edwards returns to golf after a four-year layoff as head pro at the new Adams County (Colo.) GC, 10 miles north of Denver.

Jim Bailey, former assistant to Marion Pfluger at Pinehurst CC in Littleton, Colo., moves to the pro spot at the 27-hole Westminster, Colo., muni . . . Nearby is the 50-acre Westminster recreation complete with facilities for swimming, tennis, skeet and trap shooting, football and baseball . . . Gene Conway is the general manager at the new Signal Point Club in Niles, Mich. . . The 18-hole layout at Signal Point was designed by Robert Bruce Harris of Chicago . . . The amateur tourney at the Desert Inn CC in Las Vegas, Nev., is set for June 3-6 . . . 1,280 amateurs will compete for the 1964 Desert Inn Gold Cup on the resort's two courses.

Comet Gibson has resigned his positions as supt. of municipal enterprises for San Antonio, Tex., and as a regional director of the Texas Turfgrass Association . . . Chuck Colgin, supt. at Oak Hills CC in San Antonio, Tex., replaces Gibson as regional director . . . 61st Western Open, to be played at Tam O'Shanter in Niles, Ill., Aug. 6-9, will offer prizes of at least \$50,000 . . . Pro Zell Eaton reports a continuing growth of income at the Palm Springs (Calif.) GC . . . It was up \$450 for Feb. over a year ago.

Bill McCune leaves the pro spot at McConnellsville (N.Y.) Club after 14 seasons to become pro-manager at the DeLand (Fla.) CC . . . Mike Gresh has left Crestbrook CC in Watertown, Mass. . . He has been replaced by co-pros, Bill Salvatore and Don Zabit . . . First season green and fairway problems at Crestwood have been solved, according to Supt. George Christy.

Metter, Ga., 21 miles from the nearest course, has begun a golf project under the cropland conversion program . . . The U. S. government-backed plan is designed to shift croplands to approved types of outdoor income-producing recreation use . . . New Canaan, Conn., planning and



WHOLE SEASON CONTROL WITH ONE SPRAYING

One part of Solexto in 400 parts of water sprayed on two to four acres gives season-long control of beetle grubs, ants, crickets, chinchbugs, cut worms, rose chafers, chiggers, fleas, ticks, mosquitoes and many other pests.

GRUB-PROOFS FOR TEN YEARS

One application of Solexto, two gallons to the acre (1-to-200 solution), grub-proofs the turf for at least ten years. Thus moles are also kept out by eliminating their food source.

ECONOMICAL COVERAGE

Because such high dilutions are possible, extensive coverage is very economical. Labor can also be saved by using EWT Weed Killer* in the same solution for general spraying of the grounds.

* Widely used selective weed killer manufactured by Dolge.

Write to the C. B. Dolge Company, Westport, Connecticut for information about other insecticides; also inquire about weed killers, golf ball cleaners, mole and gopher killers.

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It's another
 championship year
 for the sales champ
 of the golf-wear world!
 If you want to take
 the trophy in top sales,
 stock all these
 new styles now.



Model 2879. 60% cotton, 40% Dacron® polyester stripe mesh. Solid collar, cuffs. Retail **\$5.95**



Model 2965. 100% Du Pont Orlon® Acrylic cardigan sweater. Italian bone buttons, ribbed bottom. Retail **\$13.95**



Model 2843. Worn by Jackie Burke, Jr. Smart new Rimaldi sweater-type bottom shirt of light weight cotton honeycomb mesh Dolman sleeves, 2-button placket, set-in-waist pocket, stripe trim. Retail **\$5.95**

The Musingwear Penguin
 Champion Trademark
 in Golf Shirts



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MAN, there is a big difference in sales when you are offering a fresh line of new Musingwear golf shirt styles. Pre-sold by 52 champion golfers on the tourney tours, and in national advertising, these are the shirts golfers know and want! They lead in fashion, turnover and profit for you! Order with this convenient form now.

All Musingwear Grand Slam Golf Shirts have these exclusive features: patented nylon reinforced underarm gusset*, 2½ in. longer shirt tail, machine washable, guaranteed not to shrink out of fit. Matching styles for women and boys.



Women's Model 2882. 100% Du Pont Antron Nylon sleeveless golf shirt, fashion collar, 2-button placket. Retail **\$5.95**



Women's Model 2886. Honeycomb mesh. 50% Vycron® polyester and 50% cotton. Sleeveless shirt. Peter Pan collar. Retail **\$5.00**



Women's Model 2887. 100% Textured Du Pont Antron Nylon. Sleeveless overblouse style, fully buttoned front. Peter Pan collar. Retail **\$7.95**



Model 2872. Worn by Bobby Nichols. Tuck-stitch mesh of 65% Dacron® polyester, 35% combed cotton. Two-color contrasting stripes on fashion collar and cuffs. 3-button set-in placket. Retail **\$5.00**

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 it's worth the difference