



Vol. 5. No. 6
December, 1951

The Bull Sheet

Official Bulletin

Midwest Association of Golf Course Superintendents

A Merry Christmas



DON STRAND
Supt. Westmoreland C. C.
Chairman, Nominating Committee

THE DECEMBER MEETING

SAMBO'S RESTAURANT

6800 GUNNISON STREET, CHICAGO, ILL.

MONDAY, DECEMBER 3, 1951

MEETING AT 7:30 P. M.

GET-TOGETHER IN AFTERNOON

DINNER

BUSINESS MEETING

GUEST SPEAKER

QUESTION BOX

THIS WILL BE A VERY INTERESTING
AND IMPORTANT MEETING.

PLEASE PLAN TO ATTEND

23rd NATIONAL TURF CONFERENCE AND SHOW COLUMBUS OHIO FEBRUARY 4-8

THE PRESIDENT'S MESSAGE

To all members of the Association, I would at this time like to take the opportunity of wishing a very MERRY CHRISTMAS.

The season past has been, I believe, a most successful one for most Golf Course Superintendents in this particular area. It is, however, rather disturbing to me to note that there were some reports of turf trouble that were not directly attributed to weather conditions. Along this line, if I may, let me remind you that Greenkeeping is still an art and cannot be reduced to a mechanical or routine procedure. In these days of rapid developments in turf culture, and keen competition between golf courses for the best, we are all too apt to forget and become too reckless in golf course maintenance procedure. Improvements in turf maintenance, wider knowledge thru education, improved chemicals for use in turf work and better machinery, notwithstanding, the Superintendent's good common sense is still the most valuable asset to his golf course. Let us be cautious in the use of new chemicals, new ideas or in trying to "keep up with the Jones," or listening to club members complaints or demands and try to give the turf a real break.

William H. Stupple, President.

WILLIAM HENRY OATES

It is with great regret that we announce the passing of our good member William Henry Oates, Superintendent of Arrowhead C. C. in Wheaton, Ill. Mr. Oates had been at Arrowhead for some 15 years and manager of the club during and after the war. He passed away October 30 in his 66th year leaving his wife and a son, H. A. Oates. We have lost a good member and a good friend. We will miss him.

MRS. BURDETT SR.

It is with a great deal of regret that we announce the death of the mother of our good friend and member, Paul Burdett. Mrs. Burdett passed away on Sunday, November 11, and was laid to rest on Wednesday, November 14. We wish to convey our deepest sympathy to the Burdett family.

EXCISE TAX REPORT

After study and interpretation of the new 10% Federal Excise tax levied by Congress in the new tax law, the Department of Internal Revenue has removed all institutional mowers of 30" or more from the list. This means that tractors, gang mowers, and all large power mowers are tax exempt but mowers less than 30" in width such as trim mowers and greensmowers are subject to the 10% levy. It is hoped that greensmowers will also be removed from the list. With ever rising costs making for higher prices it is a great relief to have large institutional equipment exempted from the Excise tax. In the interest of economy and conservation Power Mowers while just as efficient will probably be stripped of all ornamental gadgets for appearance only in 1952. It could be that the engineers will come up with improved performance.

C. O. Borgmeier.

THE MEETING AT BONNIE DUNDEE

The Association's "weather man" pulled a boner when he allowed that the weather on November 5 might be such as would allow us to play golf at our meeting at Bonnie Dundee. Maybe he was crowding his luck or thought he was getting to be pretty good after the wonderful day of our last meeting at Chicago Golf Club on October 15. However, be it as it may, it was a good try and they can't blame you for trying. The heavy snow of the preceding Saturday laid a blanket over the course and although Monday turned out to be a bright sunny day, there was too much snow for golf. A number of the boys gathered together in the afternoon for card playing and a bull session. In the evening Miss Harms, club house Manager, laid out a truly delicious buffet dinner. There was plenty to eat and was enjoyed by all. At 7:30 the meeting was called to order by President Stupple. After the roll call of officers and reading of the minutes of our previous meeting, the various committee chairmen made their reports. Bert Rost, Research Chairman, reported on the meeting with Dr. Grau, Dr. Voigt, Dr. Rhodes and members of the committee on October 17. Ray Davis, Entertainment Chairman, gave his report on the forthcoming Fall Dance at Roselle, on November 17. Ray Gerber reported for the Employment and Placement Committee. The meeting was opened to general discussion of the proposed Experimental Turf Garden at Lisle and many of the members came up with some valuable suggestions on the proposed work.

The meeting was turned over to Al Johnson, Educational Chairman, who presented a very interesting program of movies and colored slides. George Davis showed a very fine picture of the actual eruption of a volcano in the Hawaiian Islands in 1950. He also presented a movie of the 25th anniversary day of Walter Hagen's winning of the National Open at Midlothian in 1914. He also showed a movie of Pete Stewart battling a shark in Florida waters, although we never did get to see the shark, Pete swore up and down that he had one on the line and that it was a big one. Paul Burdett, as you probably know, had been taking pictures all summer long and he took this opportunity to show them to us. He had pictures of many of the Superintendents in their various activities and a very interesting series on his trip to Beltsville in October. George also showed us a movie he took at the meeting at Beltsville. All in all, it was a very interesting evening. Our sincere thanks again to Jock Anderson, Miss Harms and Al Rauch for their wonderful hospitality.

Mrs. Rauch, Al's wife, made the homemade bread which we enjoyed at the buffet. It sure was good.

RESEARCH COMMITTEE REPORT

The committee had a meeting on November 8 to further discuss the proposed project of the turf gardens at Lisle. The proper wording of the final draft was discussed and then it was decided to have a meeting with Mr. Milton Carleton, a well known writer on Horticultural matters, and find out if he could add any material as to the proper basis for the project. Mr. Carleton would attempt to enlist the interest of the American Seed Trade Association.

Bert Rost, Chairman

USE OF LIME

At Johnson, Supt. Indian Hill C. C.

Excessive soil acidity is one of the reasons for poor root systems. Normal grass roots are deep and white in color. In soils which are too acid the roots are usually brownish in color, shallow and restricted.

Matted turf usually is found on acid soil. It results from an accumulation of undecomposed stems, leaves and roots at or near the surface with a peat like layer underneath. These layers develop because there is not the soil action for the decay of organic matter in an acid soil. An excessive mat is bad for maintenance. It is difficult to prevent the formation of localized dry spots during hot dry weather on matted turf, the surface mat impedes the absorption and penetration of water. Root systems stay close to the surface to obtain needed oxygen.

Soil reaction affects the soil population of fungi and bacteria. Over-liming especially with hydrated lime, may depress turf growth. The lime makes all the trace elements such as iron, manganese, copper, etc. insoluble and therefore unavailable. But the other extreme of too much acidity may create a deficiency of calcium and magnesium. Calcium and magnesium are leached out of soil where there are heavy rain falls.

Lime is not usually considered an essential plant food element, its function is an indirect one, to make conditions favorable for growth by changing soil reaction.

Ground limestone, hydrated lime and quick lime are kinds of limes use to correct acidity, ground limestone being the safest to use in most cases.

Soils which are more than moderately acid definitely need lime and its use is usually justified with out regard to any other factor. Before using lime on a large scale, trial applications on test strips can be made. Rates of 25 and 50 pounds per 1000 square feet can be made on test strips.

Liming of turf on fairways if needed will improve the turf and keep it greener longer in dry weather. Turf on acid soil is more sensitive to chemical injury. Lime counteracts turf diseases. The prevalence of diseases such as dollar spot, snow mold, and brown patch may be due in part to insufficient lime. The failure of bent turf on greens to respond following an application of ammonium sulfate is strong evidence of the need for lime provided other conditions are favorable for growth.

The rates for applying lime is affected by the kind of soil and grass. Less lime is needed on a sandy soil than on a heavy soil to produce the same change in P. H. Blue grass requires more lime than fescue or bent grass.

Late fall, winter or early spring are best times to apply lime. Fall and spring rains carry the lime into the soil. The use of lime on greens should be based upon the soil P. H. A finely ground limestone is the safest and easiest to apply. When there is a soil reaction of from 6. to 6.5 P. H. the use of 10 pounds per 1000 square feet is used and graduated down to a P. H. of from 4. to 4.5 where 60 to 80 pounds of finely ground limestone is used.

Hydrated lime may be used to kill algae and counteract toxic conditions on water logged soils. The rate of application varies from 2 to 5 pounds per 1000 square feet. Greens may be benefited during a prolonged spell of bad weather by applying 10 pounds per green per week of hydrated lime. It should be washed in when applying.

MOSTLY ABOUT TREES

Among the trees that have been found desirable for planting on the golf course is the honey locust. The ordinary or common honey locust is covered with sharp thorns not only among the branches, but all the way down the trunk of the tree to the ground. There is now available, however, a thornless variety which seems to be a good tree for our purpose. The tree grows to a good size, the leaves are small and the habit of growth rather open, allowing a certain amount of sunlight thru to the ground beneath. This is important for the growth of turf around the tree.

The hackberry is another tree which should receive more attention as a shade tree. These are the trees that produce the small, round, purplish red fruit with the big seeds. A hackberry tree is always popular with numerous kinds of song birds because of these sweet and tasty fruits. It is said more than 25 species of birds like to feast on the berries. The hackberry has other advantages, however, that make it worthy of consideration as a shade tree. In form and foliage it resembles the elm. It commonly attains a growth of 50 to 60 feet and some may be 100 feet tall or more. The resemblance to the elm is responsible for giving the tree the nickname of false elm. Because of this similarity, some arborists believe the hackberry should receive more attention as a shade tree, particularly in areas devastated by phloem necrosis and Dutch elm disease, the two worst diseases to which elms are susceptible. These diseases have not been found in the Chicago area, although they have caused widespread destruction in several downstate areas. The hackberry is a hardy tree with a neat appearance. Its growth is relatively rapid and it thrives well in drouth. It is not subject to the two elm diseases, but there is one disease to which it is susceptible. This disease is called witches' broom. It causes deformed growths among the small twigs of the crown. In severe cases these deformities may be regarded as unsightly, but the disease does not kill the tree or destroy foliage.

One of the trees that puts on an excellent color display in the autumn is the Ohio buckeye. The buckeye in spring rates a poor second to its cousin the horse chestnut in the beauty of their respective tree flowers. But in the autumn, the buckeye ranks first by a wide margin over the horse chestnut, which, because of its yellowish-green foliage, must be included among the less spectacular trees of this season.

Worth mentioning also is the highbush cranberry tree. This plant is more like a shrub than a tree. It grows only about 12 to 15 feet tall. It is also known as snowball tree, white dogwood, pincushion tree, red elder, and cherrywood. Fruits of the highbush cranberry are popular with winter birds. There are a lot of berries and they remain on the tree a long time. Berries that ripen in September and October may hang on the trees until May.

Buckthorn is another plant that furnishes fruit for birds. It is a shrub that can grow as tall as 20 feet. It is a native of Europe and Asia, but it has been widely planted in this country as a hedge plant and with the help of birds escaped to the woods. Seeds of buckthorn fruit eaten by birds and voided have helped the plant to spread into the woods and elsewhere away from formal plantings. Buckthorn fruits are similar in appearance to wild black cherries.

SNOW MOLD CONTROL WITH PMAS

J. H. Boyce, Division of Forage Plants

Central Experimental Farm, Ottawa, Canada

Control of Snow Mold during the coming winter months shows much promise after a careful analysis of the results obtained last year. Tests conducted by the Canadian Department of Agriculture in which PMAS and eleven other commercial fungicides were studied on six Colonial Bents, three Velvet Bents and fifteen Creeping Bents showed remarkable consistency in the relative action of each fungicide on all varieties of grass tested. Not only did the mercury compounds as a group give best control but also the liquid formulations held their places with the generally considered "more stable and longer lasting" compounds.

What may not be generally known is the fact that the fungus *Typhula*, which is the predominant cause of Snow Mold, has a resting or dormant stage known as "sclerotia". These small, hard, yellow structures which one finds on the leaves, crowns and roots of dead and dying turf in the diseased areas, are most difficult to kill. Thus, the sudden changes in weather and the less active fungicides which may destroy many of the fungi have little or no effect on the sclerotia of *Typhula*. When weather again becomes optimum for the growth of this fungus, the sclerotia germinate and the disease once again becomes active.

Following the late fall application of the fungicide tests in Canada last year, in turn followed by a snow cover which remained only until late December, the weather opened up and the turf remained bare through most of a rainy January. Recordings of Snow Mold infection at the end of March still showed that the measure of control with liquid formulations of mercury was excellent. Thus, what has been considered by many in the past to be a good fungicide with fast action but lacking in the stable qualities to give long-lasting activity against an organism such as *Typhula*, must now be reconsidered as a good and less expensive material for the long-term protection against Snow Mold.

CHEMICAL LAWMOWER

Every summer weary menfolk stop their lawnmowers, wipe their brows, and ponder the wonders of a chemical that would keep the grass just high enough and never too high. Well, the Naugatuck Chemical Division of U. S. Rubber Company may have come up with a chemical that very nearly performs such magic. Called "maleic hydrazide," it has been extensively tested on Connecticut roadside grass as a means of retarding growth and there by slashing highway upkeep costs. Treated areas, the company reports, required only two mowings throughout the spring and summer. The product is still in the experimental stage, but hopefully—it may be the answer to some of our mowing problems such as the rough, mounds and banks and other places on the golf course which require a lot of hand labor. It will be something to experiment with next year.

NEW 'BUG' WEAPON

A new use of electricity promises to make control of plant diseases by dusting more effective. Better Homes & Gardens magazine reports. Researchers have figured a way to charge dust particles with a "negative" electrical charge as they leave the nozzle of the duster. Since plant leaves have a "positive" charge, they attract the dust like a magnet metal. As a result, up to 11.6 times as much dust is deposited and held on plants as when nonelectrified dust is used. The idea will be developed commercially in 1952.

SPREADING IT THIN

Mr. Whittle owner of Fox Valley C. C., played Varsity football at the University of Michigan in 1926-27 and 28.

One of the best employer-employee relationship gestures the Mole has heard of to date was announced by John Palocovic, owner of the Midwest C. C. John has rented an apartment in Miami Beach and is making it available to employees who have been with him for two years or more for a two weeks vacation. Henry Millies, Superintendent at Midwest, plans to leave for his vacation right after Christmas. This sounds like a mighty fine idea.

Pete Stewart and his son, Ed., have been hunting almost every day since the season opened. Ray Gerber, also has been getting his quota of birds daily. Both Pete and Ray report that they have good dogs, which has added much to their success.

Ray Gerber, Don Strand, Bob Williams and Paul Burdett plan to meet with the Michiana Association for their annual meeting at Notre Dame at South Bend, Indiana. This meeting has, in the past, been most interesting and instructive, featuring an annual visit to one of the research projects at the University. One year the group visited the Notre Dame cyclotron and had a discussion of atomic research.

Mel Warnecke, Supt. at Idlewild C. C., plans to take an extended vacation in Florida and should be there right now. Lucky Mel.

The Superintendents in the Chicago District who have winter sport activities are busily preparing for an expected early winter.

Bob Chamberlin and his Mrs. came up all the way from Kankakee to attend the dance on Nov. 17. Mrs. Chamberlin underwent an operation a month ago but has made a quick recovery and was able to dance a little. Darn good dancer too.

As is usually the case, there were more ladies who wanted to dance than men who could or were willing to try. Some of the boys had quite a workout dancing with the surplus females.

Bob Duguid, Supt. at Evanston C. C., entertained a number of Superintendents at Evanston on one of the good days of October. Bob's hospitality left nothing to be desired and all present had a wonderful time.

Jerry Dearie, Superintendent at Edgewater C. C. recently made a flying trip to Mexico City to confer with golf course officials there on turf culture. Jerry reports that the golf clubs in Mexico are very anxious to raise the standard of course conditions and that the officials feel that this can be done by an organization of the men responsible for the upkeep of the courses and by proper training. Jerry said that the country was fine, but that he did not care much for the food and water.

THE MOLE

NITROGEN PRODUCTION RISES

Here's the latest on the fertilizer situation from the department of agriculture in Washington, D. C.

Nitrogen production may increase by only 5% in 1952. But the prospect is bright for the future. Agricultural officials and defense agencies are considering application for construction of plants capable of producing 700 thousand tons a year.

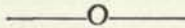
Phosphate production may lag a little below this year's output. It is handicapped by a shortage of sulphuric acid. Next year with a rise in demand and price along with a 10% reduction in supply, the shortage will be greater.

NOMINATING COMMITTEE REPORT

For the consideration of the members of the Midwest Association of Golf Course Superintendents, your Nominating Committee submits the following candidates for election at the Annual Meeting to be held on Monday, January 7, 1952.

For President - William H. Stupple, Exmoor C. C.
Ray Davis - Medinah C. C.
1st Vice President - Robert Williams, Beverly C. C.
Dominic Grotti, Sunset Ridge C. C.
2nd Vice President - Bert Rost, Park Ridge C. C.
Matt Bezek, Southmoor G. C.
Secretary - Al Johnson, Indian Hill C. C.
William Rueck, Big Oaks G. C.
Treasurer - Walter Killmer, Ravisloe C. C.
Roy Chaplin, Edgewood Valley C. C.
Directors (Two to be elected)
Harold Reed, Ridgemoor C. C.
Herman Woehrle, Highland Golf & C. C.
Peter Stewart, Butterfield C. C.
Amos Lapp, St. Andrews C. C.

Respectfully submitted, Nominating Committee.
Don Strand, Chairman; Ray Gerber; Ray Didier.



FALL DANCE REPORT

The faithful gathered at Benhart's hall in Roselle for the Association's Annual Fall Dance on Saturday evening November 17. Ray Davis, Entertainment Chairman, assisted by George Roloff and Amos Lapp, had everything in readiness when we arrived-the dance floor slicked up and the orchestra rarin' to go. There was a nice crowd of about 75 and everybody had a wonderful time and about the only criticism I could make would be that the boys were a little slow in getting warmed up to what, to most of them, was probably unaccustomed exercise. However, they did get going and once they got started, oh brother. With square dancing, waltzing, etc. a lot of them didn't want to go home until the small wee hours of the morning. A delicious buffet supper was served around midnight and door prizes were distributed. Yes, we had a wonderful time and many thanks to you, Ray, for your usual fine job of running things.

Door prize winners were as follows:

1, George Roloff; Mrs. Ben Gee; 3, Ray Gerber; 4, E. Clausen; 5, Mrs. Oscar Borgmeier; 6, Al Johnson; 7, Mrs. Chuck Daugherty; 8, Mrs. Jensen; 9, Mr. Jensen; 10, Mrs. Pete Stewart; 11, Mrs. John MacGregor; 12, Mrs. Bert Rost; 13, Dom Grotti; 14, Bert Rost; 15, Mrs. Bill Saielli; 16, Mrs. Dubrock; 17, Mrs. Amos Lapp; 18, Mr. Dubrock; 19, Mrs. Don Strand; 20, Mrs. Ray Davis; 21, Mrs. Rose Blazek; 22, Mrs. E. Clausen; 23, Tom Waters; 24, Mrs. John Darrah; 25, Mrs. Roy Chaplin.

Some of the prizes were donated by the following: C. O. Borgmeier, of Geo. A. Davis, Inc.; Ernie Kruse of Wheeling, Nurseries; Archer H. Smith, of Smith Equipment & Supply Co.; and Paul E. Burdett. We wish to thank them all for their kindness.



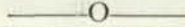
The Paul Burdetts got in a quick trip west as far as Estes Park and Rocky Mountain National Park and watched the Iowa State-Colorado football game on November 3. Paul Jr. plays base drum in the Iowa State marching band. Paul got some nice pictures on the trip.

DON'T VENT YOUR WOES ON HELP

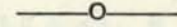
The boss' ulcers, his hangover, or his troubles at home may be the real reason for his grouchiness on the job. Tho the boss is thus afflicted, he should still practice the art of getting along with the other fellow because it can make the difference between good and bad employe relations.

This is the advice of Dr. Albert C. Van Dusen, associate professor of psychology of Northwestern university. What goes for the boss holds true for fellow workers and fellow humans. To be liked by one's fellow humans, Dr. Van Dusen advises, "relax and be yourself."

The professor advises management personnel to share their problems with underlings. "Make them feel they are 100 per cent members of the team." Let a subordinate feel his help is needed to solve a problem and not that he must do it because that's what he is paid to do."



This is a good time of the year to give some consideration to the protection of trees against mice. Pine and meadow mice, especially, like to gnaw on the trunks of fruit trees and can cause serious damage. The United States fish and wild life service recommends controlling the rodents with poison baits consisting of small pieces of apple treated with zinc phosphide, or oats treated with strychnine. The baits should be placed in mouse runways, which are usually found under some kind of cover.



DECOMPOSED - MELLOW - FERTILE - ACTIVE
**BLACK DIAMOND
HUMUS SOIL**
Delivered in bulk: CHICAGO AREA: 10 cu. yd. loads
SINCE 1931 DOWNSTATE: 25 cu. yd. loads
Phone: HUNTLEY 3214 *H. A. Stoltze* HUNTLEY, ILLINOIS
DISTRIBUTOR

FLYNN FENCE
SPECIALISTS IN ALUMINUM AND STEEL
CHAIN LINK FENCES
ALSO HABITANT RUSTIC FENCES
PLAYGROUND EQUIPMENT
FLYNN FENCE and SUPPLY CO.
1427 Augusta Blvd. Chicago, Ill.
ARmitage 6-4206

• VIGORO complete plant food
• VIGORO C. G.
• SWIFT'S SPECIAL GOLF
• BONRO
• GOLD BEAR BRAND
WEEDICIDES - INSECTICIDES
FOR FINER PLAYING TURF
SWIFT & COMPANY
PLANT FOOD DIVISION
CALUMET CITY, ILLINOIS



The Finest Names in Turf Maintenance



"You will find these and many other Brand-Name products in our large stocks. We supply promptly and efficiently.

GEORGE A. DAVIS, INC.

5440 Northwest Highway — Rodney 3-6363
Chicago 30, Illinois

KAHN BROS. CO.

High Germinating Seed — Golf Course Supplies
K.B. Organic Base Fertilizer — Chemicals

JOHN MacGREGOR, Rep.

4425 So. Halsted St. Bo. 8-0640 Chicago 9, Ill.

WARREN'S TURF NURSERY

Bent Sod or Stolons for Putting Greens and Tees
C-1, C-19, C-15 and Washington Strains.

8400 W. 111 Street Phone: Worth 371-J-1

FERTIL-ADE THE TRUE LIQUID FERTILIZER

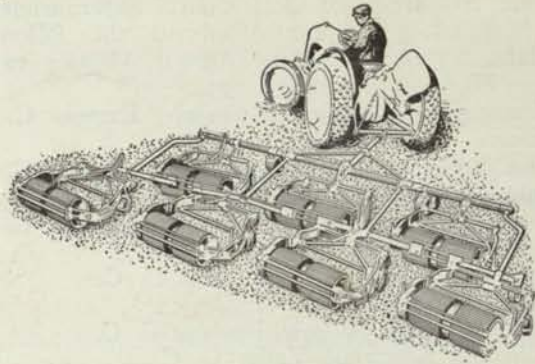
10-8-6 ANALYSIS 5-5-10

The better way to better greens and tees safely feeds
2 ways — Thru leaves — Thru roots.

SMITH EQUIPMENT AND SUPPLY CO.

1615-21 N. Central Ave. Chicago 39, Ill.

ROSEMAN GANG MOWERS - FORD TRACTORS
JACOBSEN MOWERS



ROSEMAN TRACTOR-EQUIPMENT CO.
EVANSTON, ILL.
UN 4-1842 AM 2-7137

JERRY O. SPOTTSWOOD CO.

Representing Factories On
LAWN AND INDUSTRIAL
MAINTENANCE EQUIPMENT

Palatine, Ill. Phone Palatine 330

Worthington Gang Mowers and Tractors, Jacobsen,
Locke and Reo Power Mowers, Skinner Sprinklers &
Irrigation Systems, Page Chain Link Fence and Back-
stops, Hardie Sprayers.

Chicago Fence and Equipment Co.

4400 Addison St. Chicago 41, Ill.
Phone: Kildare 5-1000 John MacGregor, Rep.

PAUL E. BURDETT

SEED - FERTILIZER - GOLF COURSE SUPPLIES
Lombard, Illinois

Phone Lombard 232 P.O. Box 241
Wilson Fertilizers - Dow Chemicals
John Bean Sprayers

ROBERT BRUCE HARRIS

GOLF COURSE ARCHITECT

Member: American Society of Golf Course Architects
664 N. Michigan Ave. CHICAGO 11, ILL.
Phone: Whitehall 4-6530



5-10-5



10-8-6

VERTAGREEN PLANT FOOD

Used on the Nation's Finest Courses

Vertagreen, Armour's complete better balanced plant food, has been used with outstanding results on golf courses all over the country. Scientifically formulated, Vertagreen contains the proper ratio of the essential plant food elements. Use it and see the difference.

Sold by Leading Golf Supply Houses Throughout the Midwest

ARMOUR FERTILIZER WORKS

Chicago Heights, Ill.

East St. Louis, Ill.