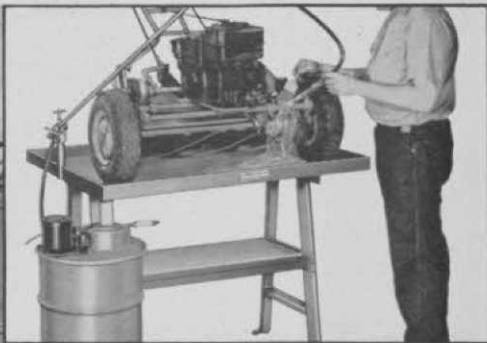


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great help. The soil itself quite possibly could be neutral but the thatch creates acid conditions which must be corrected.

When algae appears, it is a good plan to dust hydrated lime on the greens. Two pounds to 1,000 sq. ft. will do a good job of checking algae, especially if it can be applied and allowed to lie overnight as a dust without being wetted by rain or irrigation.

Fall Renovation to Improve Fairways

Q. Enclosed please find soil report of our fairways. The course is two years old and is laid out on dairy and crop farmland. The fairways are in poor condition and we want to start improving them. I have talked to several supts. and fertilizer people, but no one can explain "facultative anaerobes" mentioned in the report. Neither does the report mention lime even though the pH ranges from 5.1 to 6.1. If you recommend lime, tell me how much, what kind and the best time to apply. (New York)

A. The soil test report is difficult to interpret. My analysis is that you need lime and nitrogen, no P or K until later soil tests show the need. In early fall cultivate the fairways thoroughly, then apply one ton per acre of dolomitic ground limestone. At the same time apply 150 pounds of actual nitrogen to the acre (4 lbs./M²). By cultivating well, the nitrogen material will go into the soil where, if it is a soluble, it will minimize burning. If it is an insoluble, it comes in contact with soil bacteria which will start releasing the N.

None of my soils books mention "facultative



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anaerobes". Essentially they are bacteria that can work with or without oxygen. Don't worry about them — they will adjust.

Since there is ample P and K in your soil, I disagree with the recommendation that you should use a 5-10-10 fertilizer to correct acidity.

Under no circumstances should you follow the recommendation to spray twice daily with a 10 to 20 per cent copper sulfate solution. It can render bacteria harmless and poison the soil so that grass can not grow.

Golf Car Manufacturers Granted Charter

Following the July 14 executive board meeting of the American Golf Car Manufacturers' Assn., James H. Carrier, president, has announced the approval and adoption of association by-laws and receipt of a charter by the State of Illinois to operate as a non-profit organization. Carrier reports that valuable progress has been made in discussions of the manpower, materials and operating procedure for attaining the association's objectives. All golf car manufacturers are invited to join the AGCMA. The association is seeking an executive secretary. Those interested in the position are invited to send a complete resume and recent photograph to American Golf Car Manufacturers' Assn., P.O. Box 8373, Chicago, Ill.