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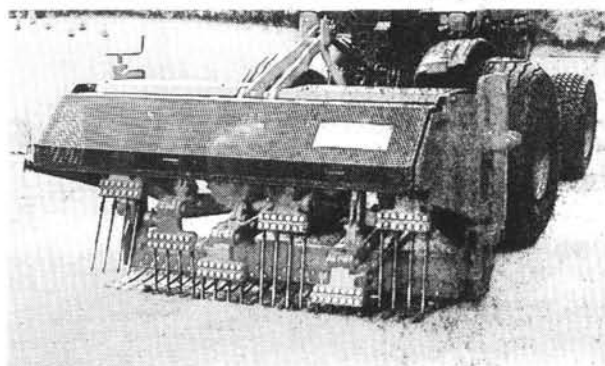


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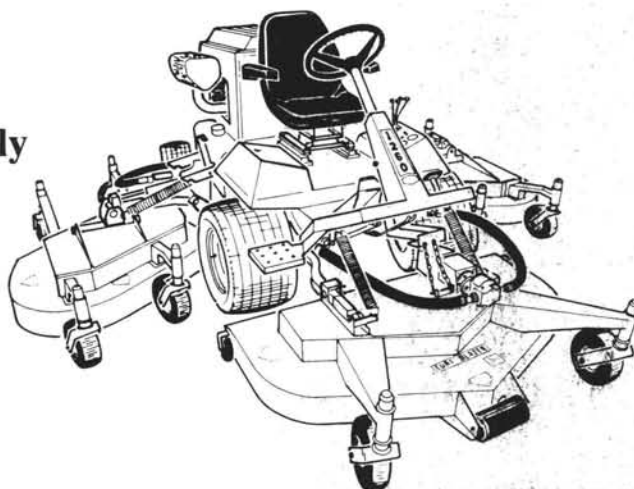
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Executive Summary Turfgrass Soil Management Research 1994 Report to the Golf Association of Michigan

Phosphate and Potash for Sand Putting Greens

Most new putting greens are established on sandy mixes which have a low cation exchange capacity and hold nutrients very weakly. Nutrients of particular concern are phosphorus and potassium. Applications of four pounds of P₂O₅ applied per 1000 sq. ft. in 1993 and again in 1994 was found necessary to maintain adequate turf color of a Penncross creeping bentgrass putting green which is growing on a mix of 85% and 15% peat. Lower rates resulted in poor turf color and deficient levels of phosphorus based on soil tests. Eventually, phosphorus levels should build up in these sands so lower rates should be needed in subsequent years. Potassium soil test studies on established turfs indicate that sands do not hold potassium well. In general, equal amounts of nitrogen and potash are recommended for putting greens growing on sands. For sandy loams and other finer-textured soils the use of soil testing should adequately predict needs for potash. Soil tests for potassium in November this year were lower than expected, likely due to leaching of potassium caused by the higher than normal rainfall in the Lansing area during the summer of 1994. Regular applications of phosphate and potash should be made throughout the growing season for turfs growing on sands.

Hydroject Studies

Research on how best to use the Hydroject aerifier in golf turf management is continuing. One observation from our research in 1994 is that regular treatment with the Hydroject resulted in fewer worm casts on the surface of a putting green. It is not known if this is a result of fewer earthworms in the soil or if they are casting beneath the soil surface in the channels left by the Hydroject treatment. Superintendents who are pleased with the Hydroject report 4 to 10 treatments per year with an average of 6 times annually, concentrated during the summer months when there is heavy play. Spot treatment of special areas, such as localized dry spots or where traffic is concentrated at entry or exit paths on greens or tees, has been very successful. The appropriate frequency of treatment with the Hydroject will vary with soil and turf conditions.

Greens Rolling

A study to evaluate the impact of rolling greens on ball roll indicated that rolling 3 times per week increased ball roll an average of over 14 inches compared to the unrolled check plots on a putting green mowed at 5/32 inch. By contrast, double mowing increased ball roll about 10 inches compared to the check. Double mowing can be used on a short term basis to increase ball roll, but should not be considered a regular practice because of detrimental effects on the grass.

by **Paul E. Rieke, Crop & Soil Sciences MSU**
Credit: *Turf Times*, 5/95

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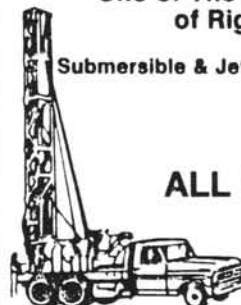
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CHICAGOLAND ASSOCIATION OF GOLF COURSE SUPERINTENDENTS

636 Ridge Road
Highland Park, IL 60036

Mr. Randy Nichols, CGCS, Chairman, GCSAA Nominating Committee
1421 Research Park Drive
Lawrence, Kansas 66049-3859

Dear Mr. Chairman:

The Chicagoland Association of Golf Course Superintendents has long supported the candidacy of Bruce R. Williams as he sought to serve and direct the Golf Course Superintendents Association of America. This year we are pleased to nominate him as one of our own as he ascends to the final step of GCSAA leadership. We steadfastly support the candidacy of this individual and know he has labored hard to direct the association to its present day position of professional prominence and influence. We, the Chicagoland membership, as members of GCSAA, realize too the complex nature of managing and directing an organization to a position of international impact and exposure. We know Bruce Williams to be the leader capable of such a formidable task.

Bruce R. Williams, CGCS, has long committed himself to the advancement of the golf course superintendent and the role of association leadership. He is poised, with the blessings and support of his family and employer, to accept the challenge and duty of management responsibility as he guides GCSAA toward the end of the century.

Therefore, the Chicagoland Association of Golf Course Superintendents proudly nominates Bruce R. Williams, CGCS, to the elected office of President of the Golf Course Superintendents Association of America.

The fine membership of the Golf Course Superintendents Association of America deserves such an individual as Bruce R. Williams to manage for the present as well as to direct and shape the future of the association. We know him to be equal to the challenge.

Respectfully submitted,



R. Brian Green, CGCS
President
Chicagoland Association of Golf Course Superintendents



Midwest Association of Golf Course Superintendents, Inc.

P.O. BOX 204
NORTH AURORA, ILLINOIS 60542-0204
OFFICE & FAX: (708) 896-6811

Mr. Randy Nichols, CGCS,
Chairman: GCSAA Nominating Committee
1421 Research Park Drive
Lawrence, Kansas 66049-3859

Dear Mr. Chairman:

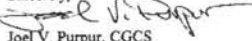
The Midwest Association of Golf Course Superintendents is a dedicated group of Chicago metropolitan area superintendents whose focus is the professional advancement and education of the Golf Course Superintendent. Our association includes many dedicated GCSAA members that have contributed generously of their time and energy to many GCSAA committee and advisory functions. We proudly count GCSAA Past Presidents Robert M. Williams and Michael Bavier, CGCS, as "Midwest" members and we fondly remember deceased GCSAA Past President Ray Gerber as a stalwart member of this chapter. It is this distinguished link to the heritage of the Superintendent that best bespeaks the caliber of the individuals that now comprise our association.

The heritage speaks of the past, and there is an individual from the Midwest currently in place to carry forth with that sense of "heritage" as he brings his vision of the future to the leadership of GCSAA. Bruce R. Williams, CGCS, is that individual and he is now fully prepared to accept the considerable mantle of responsibility relative to GCSAA leadership.

The membership of the Midwest Association of Golf Course Superintendents therefore wishes to formally nominate Bruce R. Williams, CGCS, as our candidate for President of the Golf Course Superintendents Association of America.

Please accept and place in nomination the name of Bruce R. Williams, CGCS, as a candidate for this important GCSAA leadership office. We, the membership of the "Midwest", know that golf course superintendents worldwide will benefit from the professional leadership, dignity, and vision that Bruce R. Williams shall bring to the association and to golf course management.

Sincerely,



Joel V. Purpur, CGCS

President

The Midwest Association of Golf Course Superintendents



Alan T. Fierst

Past President

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