

Evaluation of the effectiveness of different core aerification practices. (C05-li222256-Poster)

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Abstract:

Topdressing and core aerification are routinely used either separately or together by golf course superintendents and sport turf managers to alleviate thatch and soil compaction problems. A turf manager needs to know when to use these cultural practices and how often to use them, especially when a target percentage of sand content has to be reached during a renovation program. Many research have been done to evaluate the effectiveness of topdressing and aerification and to compare different verifying equipment. However, a thorough comparison of equipment models with different tine sizes and depths will be too time-consuming and cost prohibitive. Some guidelines are available in the turf industry based on many simplified assumptions and calculation. The present modeling used computer programming to assist the calculation under different scenarios i.e. various topdressing/aerification/core-removing combinations.

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