

# Field Evaluation of BIOSOL MIX for Golf Course Greens. (4022)

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## Abstract:

The objective of this study was to evaluate an organic fertilizer, BIOSOL mix (7-2-3) in a golf course green situation with different application times and rates in comparison with a traditional organic fertilizer, milorganite (6-2-0) from April to November 2002 and repeated in 2003 during the same period of time at a total annual input of 2.75 kg N ha<sup>-1</sup>. A ‘Crenshaw’ creeping bentgrass (*Agrostis stolonifera* L.) green built as a USGA specification green (85% sand and 15% peat moss) at Clemson University Turfgrass Research Plots was used for the study. The green was mowed at 3.8mm daily through the whole season. The study site had a consistent quality of 7 in April, 2002 before the test (with 1 to 9 scales, where 9 equals the best turf quality and 1 equals the dead turf; 6 represents acceptable turf quality). All the treatments received similar N, P, and K contents with necessary adjustment for different treatments since Milorganite does not contain potassium. Irrigation, pest control, and cultivation practices were applied as needed to maintain the green. All plots did not receive any additional fertilizers during the study. In summary, the BIOSOL fertilizers showed the same quality as Milorganite and there were no differences that they were put in two applications in April and October or put in the three applications in April, June, and October. However, the late season clipping and soil test results indicate an early fall fertilization is needed.

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