

# Dr. J. Scott Ebdon

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Specialty:

Turf Agronomy

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Profile:

Professor J. Scott Ebdon has a Ph.D. from Cornell University. His primary research mission is to reduce energy input and associated cost in the maintenance of turfgrass systems including golf, sports and lawn turf. His research program focuses on understanding mechanisms of turfgrass tolerance to environmental stress, with emphasis on low temperature, drought, water use, and traffic (wear stress) at the whole plant level. Dr. Ebdon's research is concentrated in two areas including (i) evaluation of turfgrass germplasm to identify superior stress tolerant grasses and (ii) the development of cultural practices including irrigation and fertilization that can be used to alter and improve stress tolerance. Recent work from his lab has included efficient watering for recreational turf; deficit irrigation practices and nitrogen and potassium effects and their interaction on low temperature hardiness; and wear tolerance. Dr. Ebdon's lab is also developing statistical models that may be more accurate in predicting and identifying superior turfgrass genotypes.