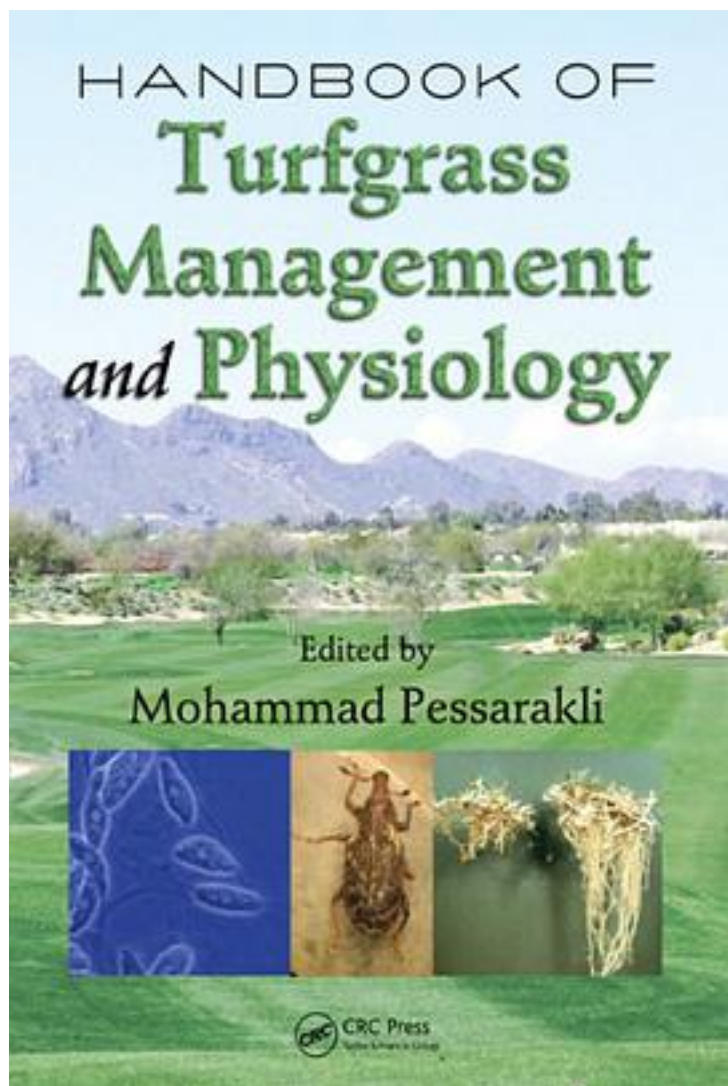


Handbook of Turfgrass Management and Physiology



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A multibillion dollar industry that has reportedly tripled in the last ten years, turfgrass management plays an important role in landscaping, golf courses, and other sports surfaces. Proper management and cultural practices are crucial for the performance of these versatile grasses, creating a demand among scientists, researchers, and industry professionals for better quality, hardier grasses. The mounting collection of research into new species, modern cultivars, and stress tolerant genotypes requires a high-quality, comprehensive, and accessible resource. Filling a long-empty niche by compiling the most complete, up-to-date collection of contributions from internationally known specialists, "Handbook of Turfgrass Management and Physiology" is the only single source reference that covers every aspect of turfgrass maintenance and cultivation. Divided into several sections, this all-inclusive volume begins with an introductory chapter on turf related issues. The second section reveals detailed accounts of turfgrass growth, management, and cultural practices such as carbon metabolism, fertilization, and overseeding. Subsequent sections cover sports turf management and growth regulating factors, as well as breeding, genetics, and biotechnology. The text highlights research in turfgrass pathology and disease, including nutritional disorders, rapid blight, and fungal diseases. The book reviews several methods of pest control using herbicides, as well as biological, and microbial control agents. It provides extensive information on the physiological responses of turfgrass to acidic soil, salinized water, temperature, light, depleted oxygen, reactive nitrogen use, and other environmental stressors. The final section looks at future and potential grasses requiring minimal maintenance and management. Offering hundreds of figures and tables, thousands of references, and an extensive index, "Handbook of Turfgrass Management and Physiology" is the definitive reference to the dynamic and growing world of turfgrass.

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