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978-0-521-87791-6 - Biological Control of Tropical Weeds using Arthropods

Edited by Rangaswamy Muniappan, Gadi V. P. Reddy and Anantanarayanan Raman

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## BIOLOGICAL CONTROL OF TROPICAL WEEDS USING ARTHROPODS

In the past few decades, globalization and increased trade and transportation have contributed to the rapid spread of plants, many of which have now become weeds in the introduced regions. Weeds are a major constraint to agricultural production, particularly in the developing world. Cost-efficient biological control is a self-sustaining way to reduce this problem, and produces fewer non-target effects than chemical methods, which can cause serious damage to the environment.

This book covers the origin, distribution, and ecology of 20 model invasive weed species, which occur in habitats from tropical to aquatic. Sustainable biological control of each weed using one or more arthropods is discussed. The aim is to provide ecological management models for use across the tropical world, and to assist in the assessment of potential risks to native and economic plants. This is a valuable resource for scientists and policy makers concerned with the biological control of invasive tropical plants.

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# BIOLOGICAL CONTROL OF TROPICAL WEEDS USING ARTHROPODS

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