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| Altri autori (Persone) | MuniappanR<br>RamanA <1951-> (Anantanarayanan)<br>ReddyGadi V. P |
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| Nota di contenuto | Biological control of weeds in the tropics and sustainability / R. Muniappan, G.V.P. Reddy, and A. Raman -- Acacia nilotica ssp. indica (L.) Willd. ex Del. (Mimosaceae) / K. Dhileepan -- Australian Acacia species (Mimosaceae) in South Africa / F. Impson, J.H. Hoffmann, and C. Kleinjan -- Ageratina adenophora (Sprengel) King and Robinson (Asteraceae) / R. Muniappan, A. Raman, and G.V.P. Reddy -- Azolla filiculoides Lamarck (Azollaceae) / M.P. Hill and A.J. McConnachie -- Cabomba caroliniana Gray (Cabombaceae) / S. Schooler, W. Cabrera-Walsh, and M.H. Julien -- Invasive cactus species (Cactaceae) / H. |

Zimmermann, C. Moran, and J.H. Hoffmann -- Chromolaena odorata (L.) King and Robinson (Asteraceae) / C. Zachariades [and others] -- Clidemia hirta (L.) D. Don (Melastomataceae) / P. Conant -- Coccinia grandis (L.) Voigt (Cucurbitaceae) / R. Muniappan, G.V.P. Reddy, and A. Raman -- Eichhornia crassipes (Mart.) Solms-Laub. (Pontederiaceae) / J. A. Coetzee [and others] -- Lantana camara Linn. (Verbenaceae) / M.D. Day and M.P. Zalucki -- Mimosa diplotricha C. Wright ex Sauvalle (Mimosaceae) / L.S. Kuniata -- Mimosa pigra L. (Leguminosae) / T.A. Heard and Q. Paynter -- Parthenium hysterophorus L. (Asteraceae) / K. Dhileepan and L. Strathie -- Passiflora mollissima (HBK) Bailey (Passifloraceae) / G.P. Markin -- Pistia stratiotes L. (Araceae) / P. Neuenschwander [and others] -- Prosopis species (Leguminosae) / R.D. van Klinken [and others] -- Salvinia molesta D.S. Mitchell (Salviniaceae) / M.H. Julien, M.P. Hill, and P.W. Tipping -- Solanum mauritianum Scopoli (Solanaceae) / T. Olckers -- Application of natural antagonists including arthropods to resist weedy Striga (Orabanchaceae) in tropical agroecosystems / J. Sauerborn and D. Muller-Stover -- Biological control of weeds in India / J. Rabindra and B.S. Bhumannavar -- The role of International Institute of Tropical Agriculture in biological control of weeds / F. Beed and T. Dubois -- The role of Secretariat of the Pacific Community in the biological control of weeds in the Pacific Islands region : past, present, and future activities / W. Orapa.

Sommario/riassunto

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 twenty model invasive weed species, which occur in habitats from tropical to temperate 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.