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Titolo	Mass production of beneficial organisms : invertebrates and entomopathogens // edited by Juan A. Morales-Ramos, USDA-ARS, National Biological Control Laboratory, Stoneville, MS, USA, M. Guadalupe Rojas, USDA-ARS, National Biological Control Laboratory, Stoneville, MS, USA, David I. Shapiro-Ilan, USDA-ARS, SAA, SE Fruit and Tree Nut Research Unit, Byron, GA, USA
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Nota di contenuto	Front Cover; Mass Production of Beneficial Organisms: Invertebrates and Entomopathogens; Copyright; Dedication; Contents; Contributors; Chapter 1 - Introduction; 1.1. CHALLENGES OF MASS PRODUCING BENEFICIAL ORGANISMS; 1.2. CHALLENGES OF ARTHROPOD MASS PRODUCTION FOR BIOLOGICAL CONTROL; 1.3. CHALLENGES OF MASS PRODUCING PATHOGENS FOR BIOLOGICAL CONTROL; 1.4. CHALLENGES OF MASS REARING INVERTEBRATES FOR THEIR PRODUCTS AND ECOLOGICAL SERVICES; REFERENCES; Chapter 2 - Production of Coleopteran Predators; 2.1. INTRODUCTION; 2.2. FOODS AND PRODUCTION OF PREDATORS 2.3. REARING DENSITY AND PRODUCTION2.4. TEMPERATURE AND PRODUCTION; 2.5. QUALITY CONTROL AND PRODUCTION; 2.6. CONCLUSIONS AND RECOMMENDATIONS; ACKNOWLEDGMENTS;

REFERENCES; Chapter 3 - Production of Heteropteran Predators; 3.1. INTRODUCTION; 3.2. FOODS; 3.3. PLANT MATERIALS AND ALTERNATIVES; 3.4. CROWDING AND CANNIBALISM; 3.5. MICROORGANISMS; 3.6. BREEDING AND COLONY MAINTENANCE; 3.7. MASS-REARING SYSTEMS; 3.8. CONCLUSIONS; ACKNOWLEDGMENTS; REFERENCES; Chapter 4 - Production of Dipteran Parasitoids; 4.1. INTRODUCTION; 4.2. DIPTERAN PARASITIDS AS BIOCONTROL AGENTS 4.3. ASPECTS OF DIPTERAN PARASITOID BIOLOGY OF SPECIAL INTEREST FOR PRODUCTION 4.4. PRODUCTION TECHNIQUES; 4.5. PERSPECTIVES AND CONCLUDING REMARKS; REFERENCES; Chapter 5 - Mass Rearing Bemisia Parasitoids for Support of Classical and Augmentative Biological Control Programs; 5.1. INTRODUCTION; 5.2. LABORATORY CULTURE; 5.3. OUTDOOR FIELD CAGE PRODUCTION; 5.4. LARGE-SCALE GREENHOUSE-BASED SYSTEM; 5.5. CONCLUSION; 5.6. USDA DISCLAIMER; REFERENCES; Chapter 6 - Mass Rearing of the Stem-Galling Wasp *Tetramesa romana*, a Biological Control Agent of the Invasive Weed *Arundo donax*; 6.1. INTRODUCTION 6.2. BIOLOGICAL, ECOLOGICAL, AND BEHAVIORAL INFORMATION ABOUT THE ARUNDO WASP 6.3. A PLANT-BASED MASS REARING SYSTEM FOR THE ARUNDO WASP; 6.4. CHALLENGES ENCOUNTERED AND ADDRESSED IN THE DEVELOPMENT OF MASS REARING; 6.5. USE OF MASS REARED ARUNDO WASPS FOR BIOLOGICAL CONTROL OF ARUNDO; 6.6. INVESTIGATIONS INTO AN ARTIFICIAL DIET FOR REARING OF THE ARUNDO WASP; 6.7. CONCLUSIONS AND FUTURE DIRECTIONS; ACKNOWLEDGMENTS; REFERENCES; Chapter 7 - Artificial Diet Development for Entomophagous Arthropods; 7.1. INTRODUCTION; 7.2. ARTHROPOD NUTRITION; 7.3. DETERMINING THE BASIC FORMULATION 7.4. PRESENTATION 7.5. DIET REFINING; 7.6. FUTURE PERSPECTIVES; 7.7. CONCLUDING REMARKS; REFERENCES; Chapter 8 - Life Tables as Tools of Evaluation and Quality Control for Arthropod Mass Production; 8.1. INTRODUCTION; 8.2. LIFE TABLE; 8.3. CASE STUDIES; 8.4. CONCLUDING REMARKS; REFERENCES; Chapter 9 - Concepts and Methods of Quality Assurance for Mass-Reared Parasitoids and Predators; 9.1. INTRODUCTION; 9.2. QUALITY ASSURANCE IN THE MARKETPLACE; 9.3. CUSTOMER INVOLVEMENT IN QUALITY ASSURANCE; 9.4. BUILDING A COMPLETE QUALITY ASSURANCE SYSTEM 9.5. QUALITY ASSESSMENTS OF MASS-REARED NATURAL ENEMIES

Sommario/riassunto

Mass Production of Beneficial Organisms: Invertebrates and Entomopathogens is an essential reference and teaching tool for researchers in developed and developing countries working to produce "natural enemies" in biological control and integrated pest management programs. As we become aware of the negative impact of pesticides in human health and on the environment, interest is rapidly increasing in developing biological pest control alternatives. Tremendous advances have been made in beneficial organism technology, such as insect predators and parasitoids, mite predators,

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Disciplina	657/.05
Soggetti	Accounting - Research Accounting - Canada Comptabilite - Recherche Comptabilite - Canada Accounting Periodical periodicals. Periodicals Periodicals. Periodiques. Canada
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Note generali	Refereed/Peer-reviewed Title from title screen (viewed May 29, 2002).
Sommario/riassunto	Contemporary Accounting Research (CAR) publishes work in all areas of accounting (including audit, financial, information systems, managerial and tax), using relevant methods (including but not limited to analytical, archival, case study, empirical, experimental, or field); based on economics, finance, history, psychology, sociology, or any cognate disciplines that help illuminate the role of accounting within organizations, markets or society.

