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Nota di contenuto	BIODIVERS ITY AND INSECT PESTS; Contents; Preface; Foreword; Contributors; Introduction; Chapter 1: Biodiversity and insect pests; Fundamentals; Chapter 2: The ecology of biodiversity- biocontrol relationships; Chapter 3: The role of generalist predators in terrestrial food webs: lessons for agricultural pest management; Chapter 4: Ecologicale conomics of biodiversity use for pest management; Chapter 5: Soil fertility, biodiversity and pest management; Chapter 6:Plant biodiversity as a resource for natural products for insect pestmanagement Chapter 7: The ecology and utility of local and landscape scale effects in pest managementMethods; Chapter 8: Scale effects in biodiversity and biological control: methods and statistical analysis; Chapter 9: Pick and mix: selecting flowering plants to meet the requirements of target biological control insects; Chapter 10: The molecular revolution: using polymerase chain reaction Based methods to explore the role of predators in terrestrial food webs; Chapter 11: Employing Chemical Ecology to Understand and Exploit Biodiversity for Pest Management; Application Chapter 12: Using Decision Theory and Sociological Tools to Facilitate Adoption of Biodiversity-Based Pest Management StrategiesChapter 13: Ecological Engineering Strategies to Manage Insect Pests in Rice; Chapter 14: China's 'Green Plant Protection' Initiative: Coordinated Promotion Of Biodiversity-Related Technologies; Chapter 15: Diversity and Defence: Plant-Herbivore Interactions at Multiple Scales and Trophic Levels; Chapter 16: 'Push-Pull' Revisited: The Process of Successful Deployment of a Chemical Ecology Based Pest Management Tool Chapter 17: Using native plant species to diversify agricultureChapter 18: Using biodiversity for pest suppression in urban landscapes; Chapter 19: Cover crops and related methods for enhancing agricultural biodiversity and conservation biocontrol: successful case studies; Synthesis; Chapter 20: Conclusion: biodiversity as an asset rather than a burden; Index
Sommario/riassunto	Biodiversity offers great potential for managing insect pests. It provides resistance genes and anti-insect compounds; a huge range of predatory and parasitic natural enemies of pests; and community ecology-level effects operating at the local and landscape scales to check pest build-up. This book brings together world leaders in theoretical, methodological and applied aspects to provide a comprehensive treatment of this fast-moving field. Chapter authors from Europe, Asia, Africa, Australasia and the Americas ensure a truly international scope. Topics range from scientific principles, innov