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Titolo	Introduction to population ecology // Larry L. Rockwood with Jonathan W. Witt
Pubbl/distr/stampa	Chichester, West Sussex : , : Wiley Blackwell, , 2015
ISBN	9781118947562 1118947568
Edizione	[Second edition.]
Descrizione fisica	1 online resource (380 pages) : illustrations (some color)
Classificazione	486.1 577.8/8
Disciplina	577.8/8
Soggetti	Population biology - Textbooks Animal populations - Textbooks Insect populations - Textbooks Ecology - Textbooks
Lingua di pubblicazione	Non definito
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Previous edition: c2006
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Single species populations -- Density independent growth -- Density dependent growth and intraspecific competition -- Population regulation -- Populations with age structures -- Metapopulation ecology -- Life history strategies -- Interspecific interactions among populations -- Interspecific competition -- Mutualism -- Host-parasite interactions -- Predator-prey interactions -- Plant-herbivore interactions -- Multi-trophic interactions.
Sommario/riassunto	Introduction to Population Ecology, 2nd Edition is a comprehensive textbook covering all aspects of population ecology. It uses a wide variety of field and laboratory examples, botanical to zoological, from the tropics to the tundra, to illustrate the fundamental laws of population ecology. Controversies in population ecology are brought fully up to date in this edition, with many brand new and revised examples and data. Each chapter provides an overview of how population theory has developed, followed by descriptions of laboratory and field studies that have been inspired by the theory. Topics explored include single-species population growth and self-limitation, life histories, metapopulations and a wide range of

interspecific interactions including competition, mutualism, parasite-host, predator-prey and plant-herbivore. An additional final chapter, new for the second edition, considers multi-trophic and other complex interactions among species. Throughout the book, the mathematics involved is explained with a step-by-step approach, and graphs and other visual aids are used to present a clear illustration of how the models work. Such features make this an accessible introduction to population ecology; essential reading for undergraduate and graduate students taking courses in population ecology, applied ecology, conservation ecology, and conservation biology, including those with little mathematical experience.
