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Self-thinning in plants; 2.5.5 Competition in *Patella cochlear*; 2.5.6 Competition in the fruit fly; 2.6 Negative competition; Chapter 3: Models of single-species populations

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4.1 The nature of interspecific interactions 4.2 Interspecific competition; 4.3 A field example: granivorous ants; 4.4 Competition between plant species: experimental approaches; 4.4.1 Manipulating density; 4.4.2 Manipulating resources; 4.5 The ecological niche; 4.6 The Competitive Exclusion Principle; 4.7 Competitive exclusion in the field; 4.8 Competitive release; 4.9 Coexistence: resource partitioning; 4.10 Character displacement; 4.11 Competition: its avoidance or its non-existence?; 4.12 Competition and coexistence in plants; 4.13 A logistic model of two-species competition

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5.7 The functional response of predators to prey availability

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Sommario/riassunto

Worldwide, *Population Ecology* is the leading textbook on this titled subject. Written primarily for students, it describes the present state of population ecology in terms that can be readily understood by undergraduates with little or no background in the subject. Carefully chosen experimental examples illustrate each topic, and studies of plants and animals are combined to show how fundamental principles can be derived that apply to both species. Use of complex mathematics is avoided throughout the book, and what math is necessary is dealt with by examination of real experimental data

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