

## Reproductive Allocation In Plants Physiological Ecology

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**The costs of reproduction in plants - Obeso - 2002 - New ...**  
Reproductive Allocation in Plants describes why plants differ in the proportion of their resources that they allocate to reproduction and looks into the various theories. This book examines the ecological and evolutionary explanations for variation in plant reproductive allocation from the perspective of the underlying physiological mechanisms controlling reproduction and growth.

**Reproductive Allocation in Animals - Ecology - Oxford ...**  
Reproductive allocation strongly depends on plant size, but plant size may be dependent on individual history: previous reproduction, interaction with competitors and herbivores. For instance, during one growing season, reproductive individuals of the clonal perennial *Asphodelus albus* , may either increase or decrease their previous size ( Obeso, 1993b ).

**Allometric analysis reveals enhanced reproductive ...**  
A plant's reproductive allocation (RA) schedule describes the fraction of surplus energy allocated to reproduction as it increases in size. While theorists use RA schedules as the connection between life history and energy allocation, little is known about RA schedules in real vegetation.

**Top 6 Processes of Plant Physiology - Biology Discussion**  
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**9780120883868: Reproductive Allocation in Plants ...**  
Reproductive Allocation in Plants RA and reproductive output (RO) If two plants of equal size differ in their allocation to reproduction, the individual with the higher allocation would be expected to have higher reproductive success in terms of contribution to future regeneration of the population.

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**Reproductive allocation in plants (Book, 2005) [WorldCat.org]**  
The reproductive costs hypothesis states that plant resource allocation or development is limited such that an increase in ongoing plant reproduction incurs a reduction in fitness, quantified as reduced future fecundity or survival (Levins, 1968; Karlsson and Méndez, 2005). The main assumption in the hypothesis of reproductive costs is that a trade-off occurs in the distribution of resources at the physiological level, either towards vegetative growth or towards reproduction.

**Allocation of Reproductive Resources in Plants - Ecology ...**  
Reproductive allocation differs among cultivated species defining physiological strategies between shoot biomass accumulation and its allocation to reproductive organs partially shaped by natural and agronomic selection and plant morphology (Vega et al., 2000, 2001a; Weiner et al., 2009).

**Reproductive Allocation in Plants | Request PDF**  
The Resource Economy of Plant Reproduction P. Staffan Karlsson and Marcos Mendez I. Introduction II. Historical Prelude III. The Principle of Allocation IV. Reproductive Effort A. Definitions V. Problems in Determining Reproductive Allocation A. The Currency B. Definition of Reproductive versus Non-reproductive Plant Parts C.

**Reproductive Allocation in Plants - MAFIADOC.COM**  
Reproductive allocation is a term used in ecology and evolutionary biology that refers to the proportion of an organism's energy budget allocated to reproduction at any given time. Reproduction must be balanced (or traded off ) against opposing expenditures such as growth, survival, maintenance, and future reproduction.

**Quantifying and understanding reproductive allocation ...**  
This article throws light upon the top six processes of plant physiology. The processes are: 1. Photosynthesis 2. Respiration 3. Photorespiration 4. Transpiration 5. Growth and Development 6. Photoperiodism and Vernalisation.

**Reproductive Allocation in Plants | ScienceDirect**  
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**Reproductive Allocation in Plants by Edward Reekie ...**  
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**Reproductive Allocation in Plants | NHBS Academic ...**  
Plants, like other organisms, have a limited lifespan and limited resources to allocate during the time in which they grow and reproduce. Because plants are usually sessile and often very plastic in their growth and reproductive habits, they were ideal for studying variation in reproductive allocation during the formative years of research.

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