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Description Seed Physiology, Volume 2, Germination and Reserve Mobilization, addresses some of the major unanswered questions about seed dormancy, germination, and post-germination development of the seedling.

The germination of seeds in a particular situation and season is determined by the interaction between the dormancy releasing factors, which influence on the termination of dormancy or initiation...

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Physiology of Seed Germination - Biology Discussion

Seed Germination and Dormancy J. Derek Bewleyl Department of Botany, University of Guelph, Guelph, Ontario N1G 2W1, Canada INTRODUCTION Seeds are a vital component of the world's diet.

Cereal grains alone, which comprise -90% of all cultivated seeds, contribute up to half of the global per capita energy intake.

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(PDF) *Biology of seed development and germination physiology*

He displayed an awareness of seed physiology that would not disgrace the pages of books written two millenia after his death. Dormancy, reserve deposition, the effects of environmental factors on seed development and germination, seed longevity and priming — topics which are in the forefront of modern research — all received his comments (see Evenari, 1984).

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Seed Physiology: Germination and Reserve Mobilization Physiological, Biochemical and Other Changes Accompanying Seed Germination. Physiology of Seed Germination: All the viable seeds which have overcome dormancy (if any) either naturally or artificially will readily germinate under suitable environmental conditions necessary for seed germination i.e., water, O₂, temperature and in some cases light.

Oxygen is essential for seed germination. The initial phase of seed germination may involve anaerobic respiration but immediately it shifts to aerobic state. In a seed where testa is retained the oxygen consumption is much higher than in the seeds where testa has been removed.

physiology of seed germination all the viable seeds which have overcome dormancy some plants store proteins as reserve food in their seeds in the form of aleurone grains mobilization of these proteins

Germination: Seeds of various cultivated species are able to germinate a few days after ovule fertilization. In this case, ger-

mination refers to protrusion of the primary root, not the formation of a normal seedling because histo-differentiation has not been completed and reserve accumulation is still incipient at this phase.

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