



Physiology and Biochemistry of Seeds in Relation to Germination

By J. Derek Bewley

Springer Dez 2011, 2011. Taschenbuch. Book Condition: Neu. 24.4x17x cm. This item is printed on demand - Print on Demand Neuware - Inhaltsangabe1. Viability and Longevity.- 1.1 The Life-Span of Seeds.- 1.1.1 The Oldest Seeds - from the Pharaoh's Tomb to the Incendiary Bomb.- 1.1.2 Life-Span of Seeds Buried in Soil.- 1.2 Viability of Seeds in Storage.- 1.2.1 Recalcitrant Seeds.- 1.2.2 Orthodox Seeds.- 1.2.3 The Basic Viability Equations.- 1.2.4 Improved Viability Equations.- 1.3 Microflora and Seed Deterioration.- 1.4 The Biochemical Basis of Deterioration.- 1.5 Respiration and the Production of ATP.- 1.5.1 Non-Viable Seeds and Embryos.- 1.5.2 Seed Populations with Reduced Viability and/or Vigour.- 1.6 Protein and RNA Synthesis.- 1.7 Chromosome Aberrations and DNA Synthesis.- 1.7.1 Chromosome Damage and Repair.- 1.8 Metabolism of Dry Seeds.- 1.9 Changes in Food Reserves.- 1.10 Free Fatty Acids and Interference with Metabolism.- 1.11 Membrane Changes and Leakage.- 1.11.1 Leakage of Metabolites and Integrity of the Bounding Membranes.- 1.11.2 The Nature and Cause of Membrane Damage.- Some Works of General Interest.- References.- 2. Dormancy.- 2.1 What is Dormancy .- 2.1.1 Categories of Dormancy.- 2.1.2 Biological Significance of Seed Dormancy.- 2.1.3 Dormancy in Cultivated Plants.- 2.1.4 Polymorphism and Heteroblasty.- 2.2 Dormancy Mechanisms.- 2.3 Embryo Dormancy.- 2.3.1 Control...



READ ONLINE
[8.52 MB]

Reviews

Complete guideline for publication fanatics. It is written in easy phrases rather than hard to understand. I am very happy to inform you that this is basically the finest pdf we have studied in my personal life and can be the finest pdf for at any time.

-- **Saul Mertz**

Great eBook and useful one. We have gone through and I am also certain that I am going to likely read through yet again once more in the foreseeable future. Your lifestyle period will likely be transformed once you comprehensively look over this book.

-- **Carter Haag**