

Environmental Control Of Dormancy In Weed Seed Banks In Soil



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Environmental Control Of Dormancy In

Université de Genève. "Seeds inherit memories from their mother: Maternal and environmental control of seed dormancy is carried out through novel epigenetic mechanisms." ScienceDaily.

Seeds inherit memories from their mother: Maternal and ...

international nursery collections of quinoa (*Chenopodium* Environmental control of dormancy in quinoa 141 quinoa Willd.) using microsatellite markers. Plant Genetic photoperiod during growth and development of the Resources: Characterization and Utilization 5, 82 - 95.

Environmental control of dormancy in quinoa (*Chenopodium* ...

Dormancy is a common attribute of many weed seed populations and this usually hampers the task of predicting timing and extent of emergence of weeds. Both the number of established plants and the timing of emergence of a weed are strongly related to the dynamics of dormancy release of the seed population.

Environmental control of dormancy in weed seed banks in ...

Environmental control of dormancy in weed seed banks in soil. Roberto L. Benech-Arnolda*, Rodolfo A. Sa´nchez, Frank Forcellab, Betina C. Kruka, Claudio M. Ghersaa. *alFEVA*, Department of Ecology and Department of Crop Production, Faculty of Agronomy, University of Buenos Aires, Av. San Marti´n 4453, 1417 Buenos Aires, Argentina.

Environmental control of dormancy in weed seed banks in soil

Grain dormancy in wheat is an important component of resistance to preharvest sprouting and hence an important trait for wheat breeders. The significant influence of environment on the dormancy phenotype makes this trait an obvious target for marker-assisted-selection. Closely related breeding lines, SUN325B and QT7475, containing a major dormancy QTL derived from AUS1408 located on chromosome...

Genetic and environmental control of dormancy in white ...

The environmental conditions present during the seed formation also leave their mark, as its dormancy level increases with decreasing temperatures. "We have discovered that, in this case, both alleles of the ALN gene are strongly repressed in the seed.

Research: Maternal and environmental control of seed ...

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Environmental control of dormancy in weed seed banks in ...

This paper summarizes information gathered during research into dormancy of annual ryegrass (*Lolium rigidum*) seeds performed in Western Australia over the last five years. Research has taken us a step closer towards understanding (i) the influence that the environment during seed development has on dormancy status at maturity, and the effect of the long-term climate experienced by previous...

Environmental control of dormancy in *Lolium rigidum* Gaud ...

Dormancy and factors affecting dormancy: presenting dormancy cycling, secondary dormancy de®nitions and classi®cation is induced in a period preceding the season with environmental conditions unsuitable for plant survi- The de®nition of dormancy is a controversial val. Vegis (1964) introduced the concept of degrees subject.

Environmental control of dormancy in weed seed banks in ...

Dormancy. Dormancy tends to be closely associated with environmental conditions. Organisms can synchronize entry to a dormant phase with their environment through predictive or consequential means. Predictive dormancy occurs when an organism enters a dormant phase before the onset of

adverse conditions.

Dormancy - Wikipedia

Environmental control of dormancy in quinoa (*Chenopodium quinoa*) seeds: two potential genetic resources for pre-harvest sprouting tolerance Diana V. Ceccato¹, H. Daniel Bertero^{2*} and Diego Batlla³ ...

Environmental control of dormancy in quinoa (*Chenopodium* ...

Effect of dry storage on breaking dormancy. To assess effects of storage temperature on dormancy break, freshly mature seeds (with 5.6% moisture content) were hermetically stored (dry storage) in laminated aluminum foil packets and placed in the dark at 30 °C for 8 weeks.

Environmental control of seed dormancy and germination in ...

Environmental control of ovarian dormancy in natural populations of *Drosophila melanogaster*. In all other studies of natural or laboratory populations, dormancy has been assessed at either a single short day or a single moderately low temperature. Herein, we determine the relative roles of temperature, photoperiod,...

Environmental control of ovarian dormancy in natural ...

Seeds remain in a dormant state -- a temporary blockage of their germination -- as long as environmental conditions are not ideal for germination. The depth of this sleep, which is influenced by various factors, is inherited from their mother, as researchers from the University of Geneva (UNIGE) ...

Maternal and environmental control of seed dormancy is ...

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