

## Effect Of Seed Priming On Growth Parameters Of Okra

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### Effect Of Seed Priming On

Seed priming significantly regulates the different types of seed dormancy as well as enhances the vigour. Thus, different seed priming treatments can be potentially used in crop production to increase the uniformity of germination along with better growth and developments.

### Effect of Seed Priming on Seed Dormancy and Vigor ...

Effect of seed priming on seed germination, emergence and seedling growth of okra (*Abelmoschus esculentus* L.) Afzal IS, Basra MA, Iqbal A. 2005. The effects of seed soaking with plant growth regulators on seedling vigour of wheat under salinity stress.

### Effect of seed priming on seed germination, emergence and ...

The effect of seed priming treatments on germination characters and seedling growth in *Quercus castaneifolia*, a native commercial tree species of northern Iran were studied.

### (PDF) The effect of priming on seed germination and ...

The effects of seed size on germination and subsequent yield also vary with some showing increased yield with seed size and others showing no effect . It has been reported that seed size correlates with seed vigor and that large seeds tend to produce more vigorous seedlings and better stand [ 11 , 12 ] and more likely to emerge from greater depth than those from small seeds [ 13 ].

### Effect of Priming and Seed Size on Germination and ...

Hydropriming—Hydropriming is the simple soaking of seeds in water, although aerated distilled water is preferred. This process is especially useful in economically disadvantaged, arid crop growing areas. Osmotic priming—Osmotic priming, also called osmopriming or osmoconditioning, is the soaking of seeds in solutions containing chemicals such as mannitol, potassium nitrate ( $KNO_3$  ...

### Seed Priming: Speeding Up the Germination Process

Jian Jun et al.[4] investigated effects of different osmotics which can be used in seed priming on watermelon germination and reported that priming with solutions of copper sulfate 1% for 4 h and zinc sulfate 0.2% for 24 h will enhance germination by respectively 17.1% and 73.3% compared with untreated seeds.

### The effect of seed priming on germination and seedling ...

The effects of on-farm seed priming (i.e. seed soaking) on the emergence, growth and yield of cotton and maize were studied in the field in the south-eastern lowveld of Zimbabwe.

### (PDF) Effect of seed priming on growth parameters of Okra ...

The effect of priming on some qualities of seed germination. International Journal of Agriculture and Crop Sciences, 5, 2732â€”2735. Razaji A, Asli D E, Farzanian M. 2012. The effects of seed priming with ascorbic acid on drought tolerance and some morphological and physiological characteristics of safflower (*Carthamus tinctorius* L.).

### Effect of seed priming with different concentrations of ...

Effect of Bio-priming on Rice Seed It is an ecological approach using selected fungal antagonists against the soil and seed-borne pathogens. (Halmer, 2006) 18. Drying Seeds after Priming Process Seed dehydrator is used for seed drying after priming Process. Slow drying at moderate temps is generally preferable. Heat-shock is also used.

### Seed Priming - SlideShare

Seed priming with Zn improved productivity of chickpea and wheat , germination and early seedling growth of rice , development and root growth of maize seedling exposed to low root zone temperatures , while K-priming brought favorable effect on growth and nutrient status of cotton seedling under saline conditions .

### Seed Priming: New Comprehensive Approaches for an Old ...

Zn could be applied to soil or foliage. The seed priming with Zn fertilizers and dipping of rice seedlings in Zn fertilizer solutions have been tested and recommended for increased yield, but no data are available on their effect on biofortification of rice grains. Shivay and Prasad (2012) from New Delhi showed that on Zn-deficient soils, application of Zn (as zinc sulfate heptahydrate or ZSHH ...

### Seed Priming - an overview | ScienceDirect Topics

The effects of on-farm seed priming (i.e. seed soaking) on the emergence, growth and yield of cotton and maize were studied in the field in the south-eastern lowveld of Zimbabwe. Experiments were conducted on both crops in the 1999/2000 and 2000/2001 seasons and, in the 2001 winter season, on maize only.

### EFFECT OF ON-FARM SEED PRIMING ON EMERGENCE, GROWTH AND ...

The effect of seed priming on the amount of activity of catalase enzyme in Khordad cultivar cotton. The analyse of data presens that duration has considerable effect (  $\alpha = 0/01$ ) on the amount of activity of catalase enzyme related to 36 hours( figure 2).

### Survey the effect of seed priming on germination and ...

Ashrafi E, Razmjoo K (2010) Effect of priming on seed germination and field emergence of safflower (*Carthamus tinctorius* L.). Seed Sci Technol 38(3):675–681 CrossRef Google Scholar Azadi MS, Younesi E, Tabatabaei SA (2013) Seed germination, seedling growth and enzyme activity of wheat seed primed under drought and different temperature conditions.

### Methods of Seed Priming | SpringerLink

3 Seed Longevity after priming 5 Water treatments and priming affect seed longevity. Tarquis, A.M. and Bradford, K.J. (1992) Prehydration and priming treatments that advance germination also in- crease the rate of deterioration of lettuce seeds.

### Seed Priming Effects on Longevity - University of Florida

On-farm seed priming increased sorghum yields by 32.6% while seed priming plus 0.3 g fertilizer increased yields by 69.5%. For millet, the corresponding yields increased by 29.8% and 71% respectively. Fertilizer use efficiency for both crops increased remarkably with seed priming, although this effect was more apparent in sorghum than in millet.

### EFFECT OF SEED PRIMING AND MICRO-DOSING OF FERTILIZER ON ...

photoperiod, to evaluate the effect of different priming agents on seed vigour. All priming treatments significantly improved seed performance over the control. KNO<sub>3</sub> primed seeds excelled over all other treatments; decreased time taken to 50% germination, increased root and shoot length, seedling fresh

**EFFECT OF SEED PRIMING ON SEED VIGOUR AND SALT TOLERANCE ...**

The effect of priming on seed germination and seedling growth in *Quercus castaneifolia*. *Seed Sci. Technol.* 2013, 41, 121-124. [Google Scholar]  
Demir, I.; Van De Venter, H.A. The effect of priming treatments on the performance of watermelon (*Citrullus lanatus* (Thunb.) Matsum ...

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