

## Effects Of Foliar Application Of Various Zinc Fertilizers

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### Effects Of Foliar Application Of

1. PLoS One. 2019 Sep 4;14(9):e0222048. doi: 10.1371/journal.pone.0222048. eCollection 2019. Effects of foliar application of amino acid liquid fertilizers, with or without Bacillus amyloliquefaciens SQR9, on cowpea yield and leaf microbiota.

### Effects of foliar application of amino acid liquid ...

Effects of foliar application of graphene oxide on cadmium uptake by lettuce 1. Introduction. Heavy metals, which are highly toxic to plants, animals, and humans, are major environmental pollutants... 2. Materials and methods. Cd stock solution (1000 mg/L) prepared from CdCl 2 (99.0 % purity) was ...

### Effects of foliar application of graphene oxide on cadmium ...

Foliar application of K, Mg, Fe, Mn, and B increased vegetative growth of plants in the aquaponics. In the hydroponics, only Fe and B had positive effects on plant growth. Cluster number per plant in aquaponics was lower than in hydroponics treatments, but it increased with foliar application of elements.

### Effects of foliar application of some macro- and micro ...

Foliar applications of silicon increase the resistance against pathogens in plant species (Bowen et al., 1992). Much of the research on Si-enhanced resistance against biotic stresses has been focused on rice (Kamenidou et al., 2009). The beneficial effects of Si in reducing rose plants’ susceptibility to Podosphaera pannosa have been shown.

### Foliar Application - an overview | ScienceDirect Topics

Moreover, nutrient applications had a significant effect on the percentage of splitting (an 11 % increase) and blankness (a 26% decrease). It can be concluded that foliar application of K and Zn fertilizers is necessary for obtaining better fruit yield and quality in pistachio.

### Effects of Foliar Application of Potassium and Zinc on ...

If the plant already has plenty of nitrogen, phosphorus, potassium, foliar application will not have any beneficial effects. In fact, if concentrations of nutrients in the foliar spray are too high, then leaf damage can occur and in severe cases may kill the plant.

### Foliar Fertilization - Pro's and Con's | Walter Reeves ...

This study was conducted to investigate the effects of foliar application of fulvic acid on plant growth, fruit quality, and yield of tomato. Fulvic acid ( The 0.8 g-L-1 treatment led to a significant increase in plant height and fresh and dry weight, while the 1.6 g-L-1 treatment led to a significant reduction.

### Effect of foliar application of fulvic acid on plant ...

The Zn-enriched seeds also did not affect the grain yield of the plants in the farmers' fields in the next cropping, probably because of the high amount of soluble Zn already in the experimental...

### (PDF) Effects of Foliar Application of Zinc on Grain Yield ...

Nano-fertilizer foliar sprays have proven to be convenient for field use because they can feed plants gradually and in a more controlled manner than salt fertilizers (Kah et al., 2018; Subramanian et al., 2015) thus reducing toxicity symptoms that may occur after soil application of the same microelements.

### Effects of foliar application of zinc sulfate and zinc ...

effects of foliar fertilizer application rates on productivity of selected bean (phaseolus vulgaris L.) varieties boniface mukwate mwami (bsc. aged) reg no: a56/kit/20461/2014 a thesis submitted in partial fulfilment of the requirements for the award of degree of master of science in agricultural

### EFFECTS OF FOLIAR FERTILIZER APPLICATION RATES ON ...

A greenhouse study comparing the physiological responses and uptake of coffee (Coffea arabica L.) plants to foliar applications of zinc sulfate (ZnSO 4) and zinc nano-fertilizer (ZnO NPs) was conducted with the aim to understand their effects on plant physiology.One-year old coffee plants were grown in greenhouse conditions and treated with two foliar applications of 10 mg/L of Zn as either ...

### Effects of foliar application of zinc sulfate and zinc ...

Foliar application of N or N plus micronutrients increased leaf area, specific leaf weight, chlorophyll content, total dry mass, flower number and reproductive efficiency, yield attributes and...

### (PDF) Effect of foliar application of nitrogen and ...

The highest rate of B foliar fertilization resulted in leaf burn but had no other evident detrimental effect on plant growth. Under B-deficient conditions, B foliar application increased the vegetative and reproductive dry mass of plants.

### Effects of Boron Foliar Applications on Vegetative and ...

Effects of foliar applications of nano-N (nN) and urea (U) fertilizers on pomegranate fruit calyx diameter, fruit cracking, aril content, peel content, and aril/peel ratio in 2014 and 2015.

### (PDF) Effects of Foliar Nano-nitrogen and Urea Fertilizers ...

Effects of five foliar boron (B) applications on pecan leaf B concentration, fruit retention, and percent kernel of ‘Desirable’ pecan in 2005 and 2006. z Two boron applications (2006). Leaf B concentration was increased ( P ≤ 0.05) by two B sprays at the Peach County location in 2006 ( Table 2 ).

### Effects of Foliar-applied Boron on Fruit Retention, Fruit ...

Foliar applications of 0.1 mM SNP or/and 0.1 mM SA led to increase in the growth rate and photosynthesis, including photosystem II, net photosynthetic rate and transpiration rate, improvement of reactive oxygen species-scavenging enzymes activities and reduction of H 2 O 2 accumulation in cotton seedlings induced by NaCl.

### Effects of foliar applications of nitric oxide and ...

Foliar application of Ca, B and Zn and interactive effect of CaxB and BxZn had a significant influence on secondary branches per plant of tomato, whereas the rest of the interactions were found non-significant (Table 1). The secondary branches per plant increased from 4.74 to 7.15 with the application of Ca from 0 to 0.6%, respectively.

### Effect of Calcium, Boron and Zinc Foliar Application on ...

In general, foliar application of high molecular mass chitin (CHH) resulted in decreased PN, particularly for 0.010 % treated plants, both in maize and soybean. Foliar applications of chitosan and chitin oligomers did not affect (p > 0.05) maize or soybean height, root length, leaf area, shoot or root or total dry mass.