

The effects of iron nanoparticles on physiological and biochemical characteristics of forage maize (*Zea mays* L.) at different growth stages

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ABSTRACT:

An investigation was initiated to study the effects of different concentrations of iron nanoparticles on physiological and biochemical characteristics of forage maize (*Zea mays* L.) at different growth stages. The main factor (factor A) was different growth stages (rapid vegetative growth, early flowering and after flowering) and the sub factor (factor B) was spraying with iron nanoparticles at different levels (0, 0.01%, 0.03% and 0.05%). Results indicated increasing effects of boat treatments and also interaction between them on different physiological and biochemical studied characteristics of maize.

Keywords:

Forage maize, Growth stages, Iron nanoparticles, Spraying.