



Improving Salt Tolerance in Wheat Plant

By Bahaa Badry

SPS Jan 2014, 2014. Taschenbuch. Book Condition: Neu. 220x150x8 mm. Neuware - This book aimed to investigate the effect of inoculation with some biofertilizers (Azotobacter chroococcum, Bacillus megatherium and Bacillus circulans) individual and combination, arbuscular mycorrhizal fungi, foliar spraying of micronutrients (Fe + Mn + Zn) and potassium silicate on wheat plant growth, yield and chemical constituents in addition to its influence in reducing the harmful effect of salinity. a significant increase in biochemical components (phenols, proline, total soluble carbohydrates, total sugars and proteins) and mineral nutrients (N, P, K, Ca, Mg, Zn, Mn and Fe) as well as K:Na, Ca:Na and Mg:Na ratios could be considered as indicator for salt tolerant by plant. Finally, it could be concluded that the most of treatments whether biotic or abiotic led to increase wheat tolerance to salinity. Potassium silicate treatments caused very good results. As was expected, cv. Sakha 93 'salinity tolerant' has shown high response to treatments compared to cv. Giza 168 'salt sensitive'. 136 pp. Englisch.



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