



RESEARCH PAPER

Relative RSC tolerance of groundnut

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Abstract : A pot experiment was conducted during summer-2019 to evaluate four varieties of groundnut with four RSC level of irrigation water, A₀, A₁, A₂ and A₃ - 0, 2.5, 5.0 and 7.5 meq L⁻¹, respectively, at Department of Agricultural Chemistry and Soil Science, Junagadh Agricultural University, Junagadh. The pod yield of different varieties of groundnut significantly decreased with increasing in the RSC levels of irrigation water. Among the different varieties of groundnut, variety TPG-41 gave highest pod yield (8.41 g pot⁻¹) at RSC level of 0 meq L⁻¹ of irrigation water. The variety TPG-41 recorded highest mean pod yield (7.82 g pot⁻¹), mean salinity index (92.96 %) minimum yield reduction (11.72) at high RSC levels (7.5 meq L⁻¹) and 50 % yield decline at 30.40 meq L⁻¹.

Key Words : RSC tolerance, Groundnut

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