

EVALUATION OF STABILISED SILICIC ACID BASED FOLIAR SPRAY ON RICE VARIETY PANVEL-1 UNDER COASTAL SALINE SOILS OF KONAKN

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Abstract: The stabilised silicic acid was used as a foliar application to *Panvel -1* a salt tolerant rice variety under coastal saline soil condition. The treatments comprises with different intervals and quantity of stabilised silicic acid foliar spray i.e 15 DAT, 15 and 30 DAT, 15, 30 and 45 DAT and 15,30,45 and 60 DAT. The foliar spray of stabilized silicic acid was given as per treatments with manually operated knapsack sprayer. From data it was revealed that, the application foliar sprays of stabilized silicic acid significantly influenced on growth attributes and yield of rice. The treatment T₀ i.e application of four foliar sprays of stabilized silicic acid at 15, 30, 45 & 60 DAT @ 2.0 ml lit⁻¹ of water along with RDF was found to be statistically superior in achieving higher grain yield (46.50 q ha⁻¹) and straw yield (51.51 q ha⁻¹) of *Panvel-1* rice variety.

Keywords: Saline soil, Foliar spray, Silicic acid, Panvel-1, Grain yield

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