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RESEARCH PAPER

Effect of sulphur and zinc levels on yield and nutrient uptake by hybrid rice in partially reclaimed sodic soil

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Abstract : A field experiment was conducted to study the individual and interactive effect of S and Zn on yield and uptake of nutrients by hybrid rice. Application of 60 kg S ha^{-1} recorded significantly higher grain and straw yield and sulphur uptake. Similarly significant response of rice to Zn addition was recorded up to 15 kg^{-1}. Increase in S and Zn levels increased significantly their uptake by rice crop. The interaction of S and Zn was non significant and the highest grain and straw yield were recorded with the combined application of 60 kg S and 15 kg Zn ha^{-1}. Nitrogen, sulphur and zinc uptake in crop increased significantly with S and Zn additions in all treatments.

Key Words : Hybrid rice, Sulphur, Zinc, Yield, Nutrients uptake

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