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Application of micronutrients on growth and productivity of hybrid rice under boro cultivation in lower gangetic alluvial zone

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ABSTRACT : A field experiment was conducted during 2013-14 at Agricultural Experimental Farm of Calcutta University at Baraipur, 24-Paraganas (south), Kolkata to study the effect of application of micronutrient on growth and productivity of hybrid rice under boro cultivation in lower gangetic alluvial zone. NPK (40/120 : 60 : 60) + ZnSo4 + Ammonium molybdate + Di-sodium-tetrahydrate octaborate as foliar application at active tillering stage and panicle initiation stage respectively of hybrid rice crop growth have profound influence on plant height (106.50 cm), no. of effective tillers/ m^2 (346.66), Dry matter production (692.80 g) and on the yield parameters such as grain yield (6.54t/ha), straw yield (6.79 t/ha), biological yield (13.33 t/ha) and harvest index (49.07) was higher in NPK (40/120:60:60)+Ammonium molybdate + Di-sodium-tetrahydrate octaborate.

Key Words: Alluvial zone, boro cultivation, foliar application, hybrid rice, micronutrients.