Effect of post flowering foliar sprays of nutrients on physico-chemical properties of kokum (*Garcinia indica* Choisy)

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ABSTRACT

The material for the present study consisted of twenty eight year old bearing kokum trees. The experiment was conducted in RBD with seven treatments of foliar application of nutrients like urea, KNO$_3$, and monopotassium phosphate at the Department of Horticulture, Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli, Dist. Ratnagiri during 2006-07 to improve the physico-chemical properties of kokum. Results revealed that foliar application of urea (0.5% twice) influences the length (3.98 cm), breadth (4.24 cm), circumference (13.22 cm) and fruit weight (32.67 g) as compared to others while in chemical composition highest TSS 15.93 °B was recorded by urea (0.5% twice) spray and lowest acidity (3.73%) was noticed by monopotassium phosphate (0.5 twice) spray. Highest reducing sugar (6.05%) non-reducing sugar (5.54%) and total sugar (11.59%) was found in the fruits of plants treated with monopotassium phosphate (0.5% twice).