



Research Paper

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Effect of cycocel, potassium sulphate and benlate on fruit quality and organoleptic quality in ber (*Ziziphus mauritiana*) cv. BANARASI KARAKA

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ABSTRACT : Present paper throws light on the effect of three chemicals viz., cycocel, potassium sulphate, and benlate on various fruit quality parameters and organoleptic quality on post harvest life of Ber, cultivar Banarasi Karaka was selected for the experiment. Foliar application of various treatments that is cycocel (0, 1000 and 1500 ppm), potassium sulphate (0, 1 % and 2%), and benlate (0 and 500 ppm) to runoff stage. First application was given in month of September during blooming period followed by second application of pea stage of fruits. Experiment was laid out in Randomized Block Design with three replications. Uniform cultural practices were followed during course of investigation. Higher concentration of cycocel (1500ppm), potassium sulphate (2%) and benlate (500ppm) significantly increased fruit quality (reducing sugar and non-reducing sugar) during both year of experiment. Maximum reducing sugar was found with treatment combination c2k2b1 at 4 days storage period. These concentrations slightly increased the non-reducing sugar at 4 days storage period and organoleptic rating was found best under c2k2b1 treatment at 4 days storage stage. In general cycocel, potassium sulphate and benlate with higher concentration were found beneficial than control untreated fruits.

KEY WORDS : Cycocel, Potassium sulphate, Benlate, Ber

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