

Response of organic manures on growth, yield, quality and shelf life of 'Dashehari' mango (*Mangifera indica* L.)

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Abstract

The present investigation was carried out at the Horticulture Research Centre, Patharchatta, G.B. Pant University of Agriculture and Technology, Pantnagar during the years 2007-08 and 2008-09. The experiment was laid out with thirteen treatments and three replication in randomized block design. Maximum tree height was observed with the application of poultry manure 25 kg per tree, whereas, maximum tree girth was recorded with application of neem cake 30 kg per tree during both the years. Minimum number of fruits and fruit yield (kg) per tree was recorded in control, while maximum number of fruits and fruit yield (kg) per tree with application of 75 kg vermicompost per tree during both the years. Maximum TSS, titrable acidity and ascorbic acid content of fruits was observed with application of 75 kg vermicompost per tree in both the years. Application of different organic manures on mango trees is useful for improving the growth characteristics, yield characteristics and quality characteristics of fruits.