

Title Influence of pre-harvest management on the post harvest quality & shelf life of strawberry cv. Chandler

Author Pariyar, K. D Bhutia, A. Kumar, S. Seletsu, N. Bhowmick, C.P Suresh

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Abstract

The present experiment was carried out at Experimental Farm of D.B.K.V, Pundibari, W.B, India, during the year 2010 to 2011. Fifteen treatment combinations of fertilizer, manures, and mulches were taken to evaluate their effects on the post harvest quality and shelflife of strawberry cv. Chandler. Treatment T₁₅ with the application of paddy straw + FYM + NPK was found superior to other treatments in terms of acidity and ascorbic acid content while treatment T₄ with no mulch but vermicompost + NPK as the source of nutrient resulted in higher total sugar. Juice density and T.S.S. was found highest in Treatment T₇ with black polythene and FYM. Shelf life was found to be better in treatment T₃ with no mulch + vermicompost while treatment T₉ with black polythene along with addition ofvermicompost + NPK was found to be superior for anthocyanin content. The treatment without mulching + vermicompost (T₃) and the treatment with only black polythene mulch and FYM (T₇) showed minimum days taken from flowering to harvest (days) along with extended shelf life (hours).