

EFFECT OF ORGANIC POTTING MEDIA ON SHELF LIFE OF TOMATO GROWN ON ROOF TOP

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Abstract: A study on the effect of different organic potting media on shelf life of tomato grown on roof top was conducted at roof top of Horticultural College and Research Institute, Tamil Nadu Agricultural University, Coimbatore. Eight media composition and seven different foliar sprays were included in the study. Nutrients and organics used in the experiment included vermicompost, digested coir compost, red soil, farm yard manure, wood ash, panchagavya, groundnut cake extract and humic acid. The results of experiment revealed that the fruits of the tomato plants grown in the nutrient media containing Digested coir compost 25% + Red soil 25% + FYM 25% + Vermicompost 25%) along with organic foliar spray Panchagavya 5 % + Humic acid 2% recorded low physiological loss in weight (10.99), high pericarp thickness (0.4252), high fruit firmness (0.7022 kg cm⁻²) and high shelf life (11.88 days).

Keywords: Potting media, Roof top, Digested coir compost, Panchakavya, Humic acid

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