

PERFORMANCE OF HYBRID TOMATOES IN CROP CAFETERIA: AN EFFECTIVE TOOL FOR TECHNOLOGY EVALUATION AND DISSEMINATION

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Abstract : A tomato crop cafeteria was conducted at the instructional farm of KVK Chanduli during summer season 2009-10 to assess the performance of tomato hybrids (*Solanum lycopersicon* L.) against the locally popular variety sel-22. Observations recorded on yield and yield contributing characters revealed that the maximum yield was obtained from Hybrid B.S.S. 39 (35.69 t/ha) followed by Phule Hybrid (35.02 t/ha) and Century-12(23.76 t/ha). Among the yield contributing characters, highest total number of fruits were recorded with Phule Hybrid-1 (60.35) followed by B.S.S.-39 (41.60) as compared to check, whereas average fruit weight was found maximum with HOE 303 followed by Ratna (98.66), Century-12(85.83 g), BSS-39 (70.66 g) than the check S-22 (65.70 g). Quality parameters assessed in the experiment exhibited highest ascorbic acid content with BSS-39 (31.15 mg) and Phule Hybrid-1 (29.08 mg) as compared to Check S-22(27.32 mg). Juice content was recorded highest in control variety S-22(83.60%) than the hybrids under study. Demonstration of these hybrids in crop cafeteria for relative performance and scientific production technology at a place were found very effective to upgrade the knowledge and skill of farming communities and tomato growers.

Keywords : Crop cafeteria, Performance, Quality parameters, Tomato hybrids

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