The Asian Journal of Horticulture; **Vol. 6 No. 1; (June, 2011) : 85-88**

Received : December, 2010; Accepted : February, 2011

Research Paper

Comparison of orange fruited and traditional red fruited tomato cultivars with respect to biochemical composition and yield

V.K. GARANDE AND R.S. PATIL

See end of the article for authors' affiliations

Correspondence to:
V.K. GARANDE
Shahu Agricultural Technical School, KOLHAPUR (M.S.)
Email. : vishnugarande@gmail.com

ABSTRACT

The present research work was undertaken to evaluate recently developed orange fruited tomato cultivars (eight) along with traditional red fruited cultivars (three) during *Rabi* season of 2006 for horticultural traits and yield potential in randomized block design with three replications. The data revealed that, the orange and red fruited tomato cultivars were not much differed from each other except for number of seeds and locules per fruit, fruit weight and yield which were found lower in orange fruited cultivars than traditional red fruited one. The biochemical analysis of fresh fruit revealed that the noticeable differences were not observed among orange and traditional red fruited cultivars except beta carotene, lycopene and ascorbic acid content where orange fruited cultivars were found to be rich source for vitamin A and C content. The significantly highest mean fruit yield was noticed in traditional red fruited cultivars (511.49 q /ha) than the orange fruited one (392.92 q/ ha).

Garande, V.K. and Patil, R.S. (2011). Comparison of orange fruited and traditional red fruited tomato cultivars with respect to biochemical composition and yield, *Asian J. Hort.*, **6** (1) : 85-88.

Key words : Orange and traditional red fruited tomato cultivars, Biochemical composition, Yield