



RESEARCH PAPER

Devising of nutrients in production of tomato (*Solanum lycopersicum* L.)

D.C. MANJUNATHAGOWDA*, P.M. SAMPATH, G.C. NAGESHA¹, J.C. BOMMESH¹
AND N. SHILPASHREE²

University of Horticultural Sciences, BAGALKOT (KARNATAKA) INDIA
(Email : dc.manjunath@icar.gov.in)

Abstract : Research trialed by the soil application of basic, primary, secondary and micronutrients along with beneficial element during *Kharif* 2011 and *Rabi* 2012, to divulge the effects of nutrients combination on tomato (*Solanum lycopersicum* L.). The mobilizing efficacies of the applied nutrients from soil as well as in invaded plant were found to be differed significantly with the applied nutrients combination. However, the treatments treated with the nutrients as recommended dose of nutrients along with silicon (60 kg/ha) and organic carbon (60 kg/ha) influenced significantly and lead to minimum residual nutrients prevalence in the soil after crop harvest, it could reveal to be due to the synergetic effect of applied nutrients import the essential nutrient availability for the plants from the soil nutrients present inherently as well as applied externally.

Key Words : Silicon, Organic carbon, Nutrients, Tomato

View Point Article : Manjunathagowda, D.C., Sampath, P.M., Nagesha, G.C., Bommesh, J.C. and Shilpashree, N. (2017). Devising of nutrients in production of tomato (*Solanum lycopersicum* L.). *Internat. J. agric. Sci.*, **13** (2) : 287-292, DOI:10.15740/HAS/IJAS/13.2/287-292.

Article History : Received : 02.03.2017; Revised : 19.04.2017; Accepted : 03.05.2017

* **Author for correspondence:**

¹Directorate of Onion and Garlic Research, PUNE (M.S.) INDIA

²Kerala Agricultural University, THRISSUR (KERALA) INDIA