

Click www.researchjournal.co.in/online/subdetail.html to purchase.

Research Paper

ADVANCE RESEARCH JOURNAL OF
C R P
IMPROVEMENT
Volume 5 | Issue 2 | Dec., 2014 | 89-92
..... e ISSN-2231-640X

DOI :
10.15740/HAS/ARJCI/5.2/89-92
Visit us: www.researchjournal.co.in

Effect of different sources and levels of potassium on root characters of paprika (*Capsicum annuum* var. *longam*) cv. KtPI-19 under drip fertigation system

■ G. SATHISH, V. PONNUSWAMI¹, I. GEETHALAKSHMI², K. SUNDHARAIYA³
AND M.S. MARICHAMY⁴

AUTHORS' INFO

Associated Co-author :

¹Horticultural College and Research Institute, Tamil Nadu Agricultural University, COIMBATORE (T.N.) INDIA
Email: swamyvp2002@yahoo.co.in

²Regional Research Station (T.N.A.U.), ARUPPUKOTTAI (T.N.) INDIA
Email: geethahorty@yahoo.in

³Horticultural College and Research Institute (T.N.A.U.), PERIYAKULAM (T.N.) INDIA
Email: aiya_hort@rediffmail.com

⁴P.J.N. College of Agriculture Karaikal, PUDUCHERRY (U.T.) INDIA
Email: marichamy.ms@gmail.com

Author for correspondence:

G. SATHISH
Horticultural Research Station (T.N.A.U.), KODAIKANAL (T.N.) INDIA
Email: gskspice@gmail.com

ABSTRACT : Paprika is one of the important natural colourants next to turmeric. Fertigation application through drip fertigation is known to play a vital role in enhancing the productivity and quality of many horticultural crops. In this view, studies on paprika (*Capsicum annuum* var. *longam*) were carried out at the College orchard, Horticultural College and Research Institute, Tamil Nadu Agricultural University, Coimbatore, during 2006-2009 to find out the effect of different sources and levels of potassium with reference to root characters of paprika. From the study, it was observed that the crop paprika responded well to the fertigation treatments. The experiment was conducted for two seasons viz., season I (June, 2007-Jan., 2008) and season II (July, 2008-Feb., 2009) to get the concurrent result. Drip fertigation with water soluble fertilizer at 100 per cent RDF using MAP, Multi-K and SOP (T_r) recorded the highest root dry weight, root length and root volume. It was followed by the treatment T₆ and T₄ during both season I and season II.

Key Words : Paprika, *Capsicum annuum* var. *longam*, Drip fertigation, Root characters

How to cite this paper : Sathish, G., Ponnuswami, V., Geethalakshmi, I., Sundharaiya, K. and Marichamy, M.S. (2014). Effect of different sources and levels of potassium on root characters of paprika (*Capsicum annuum* var. *longam*) cv. KtPI-19 under drip fertigation system. *Adv. Res. J. Crop Improv.*, **5** (2) : 89-92.

Paper History : **Received** : 23.04.2014; **Revised** : 12.10.2014; **Accepted** : 27.10.2014