RESEARCH PAPER | International Journal of Agricultural Engineering | Volume 5 | Issue 1 | April, 2012 | 95 – 97

Study on cost economics of drip and micro sprinkler irrigation systems for tomato crop

SHIVANAND H. KAKHANDAKI, O. PADMAKUMARI, M.S. MADHUSUDHAN AND K.T. RAMAPPA

Received : 17.01.2012; Revised : 18.02.2012; Accepted : 20.03.2012

See end of the Paper for authors' affiliations

Correspondence to:

SHIVANAND H. KAKHANDAKI
Department of Farm Machinery and Power Engineering, University of Agricultural Sciences, RAICHUR (KARNATAKA) INDIA
Email : shivuagengg@yahoo.co.in

Abstract **:** Field experiment was conducted to find out the economic feasibility of drip and micro sprinkler irrigation system for tomato crop. Once the selective merit and demerits of drip irrigation, micro sprinkler irrigation and surface irrigation method in terms of yield, quality of produce, water saving etc., are established, the cost economics of all the three were studied under the experiment. The major constraint in adopting drip irrigation is its economic feasibility. The analysis of the data revealed that, the installation cost of sprinkler irrigation was less (Rs. 94225/-), B-C ratio was high (3.49) and yield also high (54.2 t/ha) as compared to the drip irrigation system which shown very high installation cost (Rs.101891/-) with lower B-C ratio (3.37) and lower yield (53.6 t/ha).

Key words **:** Drip irrigation, Micro sprinkler, Surface irrigation, Cost benefit ratio

How to cite this paper **:** Kakhandaki, Shivanand H., Padmakumari, O., Madhusudhan, M.S. and Ramappa, K.T. (2012). Study on cost economics of drip and micro sprinkler irrigation systems for tomato crop. *Internat. J. Agric. Engg.*, **5**(1) : 95-97.