

## RESEARCH ARTICLE

# Effect of integrated crop management on yield and economics of green chilli (*Capsicum annuum* L.) at farmer's field of Tumkuru district

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### SUMMARY

The frontline demonstrations were conducted to study the effect of integrated crop management on yield and economics of green chilli at farmer's field of Tumkuru district, Karnataka state during the year from 2011-12 to 2013-14. The data revealed that the total yield gap between potential yield and actual yield of green chilli was 47.14 per cent, in which 15.00 per cent of yield gap between demonstration plot and actual farmers plot yield and 32.14 per cent of technological gap. The maximum number of farmers adopted recommended spacing (93.33 %) followed by timely irrigation (90.00 %) and harvesting at right stage (90.00 %). The increased in adoption per cent of package of practices were found to more in use of growth regulator for control of flower drops (50.00 %), recommended spacing (43.33 %) and plant protection measures to control pest and diseases (40.00 %). There was significantly increased the yield of green chilli (28.38 %) after conducted the frontline demonstration programme. The net return and B:C ratio were found to increased in demonstrated plot as compared to farmers practice. The adoption of different package of practices even though after demonstrations programme, which shows positive impact of integrated crop management on yield and economics of green chilli through adoption of demonstrated technology.

**Key Words :** Adoption, Chilli, Frontline demonstration, Impact, Production technology

**How to cite this article :** Desai, Nagappa, Mamtha, B. and Patil, Chandru (2018). Effect of integrated crop management on yield and economics of green chilli (*Capsicum annuum* L.) at farmer's field of Tumkuru district. *Internat. J. Plant Sci.*, **13** (1): 108-113, DOI: 10.15740/HAS/IJPS/13.1/108-113.

**Article chronicle :** Received : 06.10.2017; Revised : 25.11.2017; Accepted : 09.12.2017

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