



## Research Paper

**Article history :**

Received : 12.08.2013

Revised : 29.09.2013

Accepted : 13.10.2013

# Studies on effect of mulching and training on growth, yield and economics of pointed gourd (*Trichosanthes dioica* Roxb.)

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**ABSTRACT :** The present investigation entitled, studies on effect of mulching and training on growth, yield and economics of pointed gourd (*Trichosanthes dioica* Roxb.) was carried out during 1998-99 at MES, department of vegetable science, N.D. University of Agriculture and Technology, Faizabad. In this experiment fifteen treatments comprised of four mulches (water hyacinth, paddy straw, mustard and typha leaves) and three training systems (single stake, bower system and flat bed method) were taken to study the vine length, number of branches per plant, number of nodes per vine, average fruit weight, yield per plant and economics of each treatment by adopting Factorial Randomized Block Design. On the basis of results, it was found that paddy straw mulch and single stake system of training showed significant response and gave maximum yield. From the economic point of view it also appeared that among all the treatments paddy straw mulch and single stake system is economic and were most suitable to get maximum profit in parwal cultivation.

**KEY WORDS :** Pointed gourd, Training, Mulching, Economics

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**HOW TO CITE THIS ARTICLE :** Ram, J.P., Dwivedi, S.V. and Anand, R.K. (2013). Studies on effect of mulching and training on growth, yield and economics of pointed gourd (*Trichosanthes dioica* Roxb.) . *Asian J. Hort.*, **8**(2) : 645-647.