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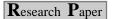


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## International Research Journal of Agricultural Economics and Statistics

Volume 6 | Issue 1 | March, 2015 | 132-135 ■ e ISSN-2231-6434 |





## Effect of auxin concentrations on yield and economics of the crop production of cabbage (*Brassica oleracea* var. capitata L.)

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## Paper History:

 Received
 : 11.09.2014;

 Revised
 : 26.01.2015;

 Accepted
 : 13.02.2015

**ABSTRACT :** An experiment was conducted at experimental field of Narendra Dev University of Agriculture and Technology, Kumarganj Faizabad, U.P. during the year 2011-12, to assess the economic profitability and yield of cabbage through application of various levels of auxins viz., IAA @ 50 ppm, IAA @ 100 ppm, IAA @ 150 ppm, IBA @ 50 ppm, IBA @ 100 ppm, IBA @ 150 ppm on two varieties Golden Acre ( $V_1$ ), Pride of India ( $V_2$ ). The experiment was planned under Factorial Randomize Block Design. The acceptance of any agricultural recommendation is mainly depending on its benefit: cost ratio. Yield of cabbage (q/ha.), cost of cultivation (Rs./ha.), gross income (Rs./ha.), net profit (Rs./ha) and benefit: cost ratio were calculated under the various treatments during the experiment. The maximum cabbage head yield (327.50 q/ha) were obtained with  $T_6V_2$  treatment. Highest net return (116193.24 Rs./ha) and benefit: cost ratio (1:3.74) have been estimated by  $T_4$  (Application of IBA @ 50 ppm) treatment with variety Golden Acre ( $T_4V_1$ ) was found significant.

KEY WORDS: Economic, Auxins, Yield, Cabbage

<u>HOW TO CITE THIS PAPER</u>: Kushwah, J.K., Deo, Chandra, Kumar, Vijay, Verma, R.K. and Kumar, Rajesh (2015). Effect of auxin concentrations on yield and economics of the crop production of cabbage (*Brassica oleracea* var. capitata L.). *Internat. Res. J. Agric. Eco. & Stat.*, **6** (1): 132-135.