

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



Visit Us - www.researchjournal.co.in ■ DOI : 10.15740/HAS/IRJAES/6.1/132-135

International Research Journal of Agricultural Economics and Statistics

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



Research Paper

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

■ J.K. KUSHWAH, CHANDRA DEO, VIJAY KUMAR, R.K. VERMA AND RAJESH KUMAR

See end of the paper for authors' affiliations

Correspondence to :

VIJAY KUMAR

Department of Horticulture, College of Horticulture (B.A.U.), Noorsarai, NALANDA (BIHAR) INDIA

Email: vijaykumar0517@gmail.com

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

HOW TO CITE THIS PAPER : 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.