



Correlation and path co-efficient analysis in cauliflower (*Brassica oleracea* var. botrytis L.)

K.P. SINGH*, KAMAL KANT, R.K. ROY AND R.N. JHA

Department of Horticulture, Bihar Agricultural University, Sabour, BHAGALPUR (BIHAR) INDIA

(Email : kpshort1967@gmail.com)

Abstract : Correlation and path coefficient analysis were conducted on 'Pushi' variety of Cauliflower. Yield was found to be highly and significantly positively correlated with all the ancillary characters viz., curd weight (0.9941), number of the leaves (0.9674), leaf area (0.9661), curd diameter (0.9412), plant spread (0.9161), plant height (0.8239) and curd depth (0.8068). All the ancillary characters showed significantly positive correlations among themselves. The path coefficient analysis values also indicated that the maximum positive direct effect accrued due to leaf count followed by curd weight, plant height and curd depth. Whereas plant spread, leaf area and curd diameter showed direct negative effect. The value of residual effect was found to be 0.0801, indicating that the characters included for path analysis were sufficient for inducing the maximum yield of cauliflower.

Key Words : Correlation co-efficient, Path co-efficient, Cauliflower, Yield

View Point Article : Singh, K.P., Kant, Kamal, Roy, R.K. and Jha, R.N. (2014). Correlation and path co-efficient analysis in cauliflower (*Brassica oleracea* var. botrytis L.). *Internat. J. agric. Sci.*, **10** (1): 387-389.

Article History : Received : 18.03.2013; Revised : 19.11.2013; Accepted : 10.12.2013