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Study on different germplasms of bitter gourd (*Momordica charantia* L.) in respect of yield and income

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ABSTRACT : Performance analysis of 40 genotypes of Bitter gourd was carried out during Kharif season 2014 and 2015 in central Uttar Pradesh, India to study the association among yield and yield components, their direct and indirect influence on total marketable fruit yield and income. Observations were recorded on the following traits *viz*. plant height, number of branches per plant, days to first appearance of male flower, days to first appearance of female flower, Number of male flower, Number of female flower, Number of fruits / plant and Fruit yield (q/ha), cost of cultivation and data analyzed statistically. Comparatively higher yield (242.52 & 225.41 q/ha), (216.74 & 210.77 q/ha) and (213.33 & 209.19 q/ha) among the genotypes was recorded in IC-085612(IIVR) followed by IC-085616(IIVR) and IC-085622 (IIVR) respectively during both the years of investigation suggesting most efficient as well as highly profitable.

Key Words: Bitter gourd, germplasms, yield, net return, income, kharif season