

**ESTIMATION OF GENETIC VARIABILITY, HERITABILITY AND GENETIC
ADVANCE FOR YIELD AND ITS COMPONENT IN GARLIC
(*ALLIUM SATIVUM* L.)**

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Abstract: The study on genetic variability and correlation coefficient of different garlic genotypes was conducted at Department of Horticulture, IGKV, Raipur during the Rabi 2012-13. The total 22 genotypes including one check were evaluated under RBD with 3 replications. This study revealed that the phenotypic coefficient of variation was higher than the corresponding genotypic coefficient of variation for all the traits. Genotypic co-efficient of variation was higher for marketable yield per hectare, total yield per hectare, weight of 10 outer cloves, plant emergence, average bulb weight and number of cloves per bulb. High heritability coupled with high genetic advance as percentage of mean was high for plant emergence percentage, collar height, collar thickness, fourth leaf length, polar diameter, equatorial diameter, neck thickness, average bulb weight, number of cloves per bulb, weight of 10 outer cloves.

Keywords: *Allium sativum*, genetic, yield

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