

New Agriculturist, 21(1,2) : 75—76, 2010

PATH COEFFICIENTS AND ASSOCIATION STUDIES IN CHICKPEA (*CICER ARIETINUM* L.)

P.S. Shukla, Vidhan Chandra Chaturvedi and D.S. Tiwari

Received June 22, 2010 and Accepted September 17, 2010

ABSTRACT : Twenty genotypes of chickpea were assessed in rain fed condition for yield and its component characters during 1998-99. Variation was significant for days to initial flowering, days to 50% flowering, number of pods/plant, days to maturity and 100-seed weight. Number of pods plant, days to maturity and 100-seed weight showed high heritability. Expected genetic advance was maximum for 100-seed weight, Yield showed positive and significant correlation with number of nodules in secondary roots, number of pods/plant, pod length and 100-seed weight. Seeds/pod influenced the yield indirectly.

Key Words: Variability, correlation path coefficient, chickpea (*Cicer arietinum* L.).