

Character Association and Path Analysis for Seed Yield in Sunflower (*Helianthus Annuus* L.)

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ABSTRACT

Character association and path coefficient studies were carried out on 64 genotypes of sunflower, during the season *Rabi*-2009 and the genetic material comprised of EC-601609 to EC-601702 and two checks viz., DRSF-108, 113. Seed yield was positively correlated with number of filled seeds/head, total number of seeds/head, head diameter and seed filling per cent. The results of the study revealed that selection based on number of filled seeds/head, total number of seeds/head, head diameter and seed filling per cent would increase seed yield. Path analysis indicated that total number of filled seeds/head had the highest positive direct effect followed by 100-seed weight on seed yield.

Key words : Path analysis, Sunflower, Yield.