



## RESEARCH PAPER

# Field evaluation of different rapeseed mustard genotypes under semi arid conditions of Punjab

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**Abstract :** Brassica crops are the important source of edible oil in India, but traditional low yielding genotypes should be replaced with the improved genotypes to meet edible oil requirement of the country domestically. A field study was conducted during *Rabi* 2013-14 and 2014-15 to test the yield response of new genotypes of rapeseed mustards at different locations in Sri Muktsar Sahib district of Punjab. New raya genotype, RLC 3 gave higher average yield (15.21 q/ha) as compared to local check RLC 1 (14.8 q/ha). African sarson genotype PC 10 also produced higher average grain yield (16.48 q/ha) as compared to local check (15.32 q/ha). The incidence of white rust disease was not observed in new genotypes, whereas *Alternaria* blight incidence was lower as compared to local checks. New genotypes also gave higher per hectare net return as compared to respective local checks. Overall net return from African sarson was better as compared to raya.

**Key Words :** *Alternaria* blight, *Brassica*, Genotype, White rust, Yield

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