

Evaluation and selection of rapeseed (*Brassica napus* L.) mutants for higher seed yield

ABSTRACT

A field experiment was conducted to investigate some morpho-physiological characters, yield attributes and yield of three rapeseed mutants along with mother variety. Results revealed that LAI and AGR increased till 65 days after sowing (DAS) followed by a decline at later growth stages whereas RGR decreased with age of the plants. Two plant characters such as LAI and AGR contributed to the superior TDM production. Results indicated that a high yielding rapeseed genotype should possess larger LAI, higher TDM production ability, superior AGR at all growth stages, superior biochemical parameters which result in superior yield components and seed yield.

Keyword: *Brassica napus*; Induced mutants; Morpho-physiological characters; Yield