Morphological and physiological determinants affecting yield and yield components in lentil (Lens culinaris Medik.) genotypes.

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With the aim of determining the morphological and physiological characteristics of Lens culinaris Medik., 8 accessions were evaluated for their yield and yield components under two different conditions: (i) greenhouse experiments and (ii) field experiments. The greenhouse experiments included a between-genotype comparison of the accessions grown under optimal growth conditions, while the field experiments involved a comparison of the accessions grown under adverse conditions. The results indicated that the yield and yield components were significantly affected by the growth conditions, with the greenhouses yielding higher values than the field conditions. Further studies are needed to understand the underlying mechanisms responsible for these differences.

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