

Agricultural Journals

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Czech J. Ger Plant Breed.

P.C.:

Analysis of gen diversity in sesa (Sesamum indic based on some physiological characters

Czech J. Genet. Plant Breec 72-78

Genetic diversity among 30 s genotypes, collected from dif of India, was studied using measurements of leaf area ir obtained 30, 45, 60 and 75 c sowing (DAS), crop growth r estimated between the above measurements (i.e. 30 to 45 60 DAS and 60 to 75 DAS) peak flowering, duration of fl duration from peak flowering and oil yield per plant. The n Euclidean distance was calc the data, and, independently

after dimensionality was redu pivotal condensation. The clu pattern obtained by D2 analy closely with the dendrogram from the Euclidean distance general, the distribution patte genotypes in different cluste that genetic divergence was geographical differentiation. was evident that a certain de genotypic divergence resulte geographic origin of the culti Duration from peak flowering contributed most to the obse diversity, followed by days tc flowering, duration of flowerii DAS and 75 DAS, oil yield p LAI at 60 DAS. Therefore, a emphasis should be laid on t characters in the selection of further breeding programme

Keywords:

D2 analysis; Euclidean dista genotypic diversity; physiolo *Sesamum indicum* L.

[fulltext]

