

Agromorphologic Characterisation of local and introduced Common Bean (*Phaseolus vulgaris*, L.) varieties performances in Côte d'Ivoire central region

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Keywords: bean, accession, performance, agromorphology, Côte d'Ivoire

Publication date 30/04/2021, <http://m.elewa.org/Journals/about-japs/>

1 ABSTRACT

The aim objective of this study was to evaluate the agro-morphological performances of 35 common bean accessions from local collections or introduction under the agro-ecological conditions of Côte d'Ivoire. For this purpose, the trial was established according to a randomized complete blocks design (RCBD), and screening was made vegetative growth parameters, phenological stages, and yields and yield components. The results obtained in the present study showed significant difference for vegetative development, between accessions for the number of nodes, pod length, seed length and diameter. Regarding the flowering stage and maturity time, early and late maturing accessions were identified. Yield and its components, less productive accessions and ones that are more productive were observed regardless of their provenance. Among the accessions studied, HARI04/BKE18, HARI12/GHA18, HARI13/GHA19, HARI16/GHA19, HARI18/GHA18, HARI28/GHA19 and HARI35/GHA19 were identified as the most promising.