

Evaluation of natural regeneration of *Prunus africana* (Hook. f.) Kalkman in the operating sites of the province of North Kivu at the Democratic Republic of Congo

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ABSTRACT:

The objective of this study is the natural regeneration of the *Prunus africana* in its distribution area at North Kivu province, for its optimal preservation and enhancement. Data collection was performed by measuring heights for different stages of young seedlings and diameter at its breast height for adult trees along the plot. To estimate difference between the number of seedlings at different sites, the Wilcoxon signed test was used. In addition, the equitability index was used to check the balance of proportions between the class heights. Finally, the index of Shannon-Weaver diversity and evenness of natural regeneration were calculated.

Keywords:

Prunus africana, Biodiversity, Distribution of plants, Regeneration, African montane forests.