

Effect of altitudinal gradient on the dendrometric parameters of *Prunus africana* (Hook. F.) Kalkman at the East of Democratic Republic of Congo

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ABSTRACT:

Prunus africana is gregarious and abundant in the study area of Beni and North Kivu forests. The altitude has a significant effect on the dendrometric parameters like the thickness of the bark, the height and the diameter as well as the reconstitution of the bark after exploitation. The barked trees present reactions; especially those which have DBH higher than 80 cm showed good results. The bark regenerated with an average annual increase which varies according to the site of exploitation in mm per year. The productivity varies according to the altitude and areas of operation.

Keywords:

Altitudinal gradient, Dendrometric and *Prunus africana*.