

**EFFECT OF THE FREQUENCY OF FOLIAR APPLICATION OF NUTRIENT ORGANIC PLUS FERTILIZER® ON *Telfaiaria occidentalis* (L) IN A DEGRADED ULTISOL OF HUMID RAINFOREST OF CROSS RIVER STATE, NIGERIA**

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**ABSTRACT**

A field trial was conducted in 2016/2017 early cropping season at the Crop Research Farm of the University of Calabar to evaluate the productivity of *Telfaiaria occidentalis* (L) as affected by the frequency of foliar application of Nutrient Organic Plus Fertilizer® in a degraded Ultisol of a humid rainforest of Cross River State. The treatments consisted of times of application of Nutrient Organic Plus Fertilizer® (weekly, two weekly, three weekly and four weekly with control of zero application of the foliar nutrient). The treatments were in a randomized complete block design in five replications. Increasing frequency of foliar application of Nutrient Organic Plus Fertilizer® resulted in a significant ( $p = 0.05$ ) increase in all the growth variables of *Telfaiaria occidentalis* in a humid rainforest of Calabar. A similar pattern was observed on the fresh and dry yield per hectare. These results could have suggested that frequent foliar application of this organic fertilizer could have made nutrient available to this crop to sustain its growth and performance in a humid rainforest of Calabar

