

## REVIEWER'S REPORT

Manuscript No.: IJAR-53932

Date: 19.09.2025

**Title:** Type de matériel végétal et période adaptés pour l'établissement de plantations d'hévéa (*Hevea brasiliensis* Muell. Arg.) dans les zones marginales : cas des localités de Bongouanou, Arrah et Bocanda

### Recommendation:

Accept as it is .....

**Accept after minor revision** .....

Accept after major revision

Do not accept (*Reasons below*)

Rating	Excel.	Good	Fair	Poor
Originality		✓		
Techn. Quality		✓		
Clarity			✓	
Significance			✓	

Reviewer Name: **ANAPANA GOPAL**

Date: 19.09.2025

### Reviewer's Comment for Publication.

*(To be published with the manuscript in the journal)*

*The reviewer is requested to provide a brief comment (3-4 lines) highlighting the significance, strengths, or key insights of the manuscript. This comment will be Displayed in the journal publication alongside with the reviewers name.*

### General Comments:

The manuscript addresses a very relevant and practical issue for the rubber sector in Côte d'Ivoire, focusing on the suitability of planting materials and periods in marginal zones. The study is well motivated by the challenges of climate change and land pressure in traditional cultivation areas. The work is clearly contextualized, and the results provide useful insights for producers. However, the paper is quite descriptive, with limited discussion of the broader scientific implications beyond the case study.

### Content and Originality:

The content is significant and offers applied recommendations. While similar studies exist in tropical agriculture, the originality lies in the focus on marginal areas and the direct comparison of planting material under local climatic conditions. To improve its originality, the authors could strengthen the link between their findings and broader global challenges in rubber production.

### Technical Quality:

The experimental design is appropriate, and statistical analyses (ANOVA, Newman-Keuls test) are correctly applied. The methodology is clearly described, and data presentation is adequate. However, additional details on replication, soil conditions, and possible confounding factors would enhance robustness. Graphical representations (figures) could be improved for clarity.

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### **Language and Presentation:**

The manuscript is written in French with overall good readability, though some sentences are lengthy and could be simplified. Minor typographical and grammatical errors are present and should be corrected. The abstract could be improved by providing more precise quantitative results rather than general trends.

### **Structure and Organization:**

The paper follows a logical structure (Introduction, Methods, Results, Discussion, Conclusion). However, the Results and Discussion sections are sometimes blended; separating them more clearly would improve readability. Tables and figures are informative but should be better formatted for clarity and visual appeal.

### **References and Citations:**

The reference list is adequate, covering both classical and recent works. Citations are relevant and correctly formatted in most cases. However, some older references dominate; integrating more recent international literature on rubber cultivation in marginal areas would strengthen the scientific context.

### **Overall Recommendation:**

The manuscript is relevant, methodologically sound, and provides useful practical recommendations. However, revisions are required to improve clarity, strengthen discussion, and polish the language.

**Recommendation: Accept with Minor Revisions**

***Detailed Reviewer's Report***