

Review Form 1.7

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_112195
Title of the Manuscript:	Improvement the bunch and oil yields of oil palm (<i>Elaeisguineensis</i> Jacq.) by introducing material of Yocoboué origin into the selection scheme in Côte d'Ivoire
Type of the Article	

PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)

Review Form 1.7

Compulsory REVISION comments		
1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)	YES	
2. Is the title of the article suitable? (If not please suggest an alternative title)	YES	
3. Is the abstract of the article comprehensive?	YES	
4. Are subsections and structure of the manuscript appropriate?	YES	
5. Do you think the manuscript is scientifically correct?	YES	
6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.	Need some more recent	
(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)		
	The introduction of Yocoboué-origin material into Group B of the reciprocal recurrent selection (RRS) scheme in Côte d'Ivoire aimed to enhance extraction rates of La Mé material and augment genetic diversity within the group. In this study, 1120 trees from 13 progenies and 3 controls, spanning two selection cycles, were evaluated for bunch and oil yields in a balanced square lattice design. Results indicated that twelve progenies exhibited significantly higher bunch yields, ranging from 23 to 25 t/ha/year, compared to the three controls. Remarkably, industrial oil extraction rates reached up to 27%, resulting in an impressive oil yield capacity of 6.90 t/ha/year. Noteworthy progenitors, including LM13878P, LM13015T, and LM13832T, played a key role in achieving these performances and displayed favorable crossing values with Deli testers. These findings underscore the potential for creating high-performance hybrid seeds and advancing genetic improvement in oil palm. The diverse choices presented by these performances hold promise for the continued enhancement of oil palm cultivation.	
	See the attachment	
Minor REVISION comments		
1. Is language/English quality of the article suitable for scholarly communications?	YES	
Optional/General comments		

PART 2:

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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