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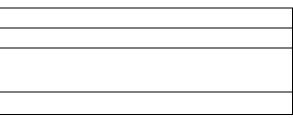
SDI Review Form 1.6

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_50317
Title of the Manuscript:	Physiological basis of yield differences in quality protein maize genotypes of different maturity groups
Type of the Article	

General guideline for Peer Review process:

This journal's peer review policy states that <u>NO</u> manuscript should be rejected only on the basis of '<u>lack of Novelty'</u>, provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

	Reviewer's comment This manuscript is scientifically robust and technically sound. The Topic, Introduction, Materials and Methods, Results, Discussion, 3 Tables, Conclusion and References could all be re-written to meet the required standard for this Journal (JEAL).	Author's comment (if agr highlight that part in the ma write his/her feedback here
Compulsory REVISION comments	 The REFERENCES written after the 5. CONCLUSION (Lines 173 to 225) were not put in the format acceptable by this Journal – with Year of publication below and not put in brackets. 3. RESULTS and 4. DISCUSSION (Lines 104 to 166) could have been written systematically, based mainly on the 3 Tables given in this research work. That is data given in the 3 Tables were not followed and discussed systematically as much as possible. These could need to be re-done. 	
Minor REVISION comments	 Few of the corrections pointed out could also be effected along with others - <i>Keywords: Maturity group, agronomic traits, Zea mays genotypes, grain yield.</i> Lines 15 and 16: Could delete - root lodging (RTL), shoot lodging (STL), In Line 18: across the 4 seasons were Line 19: 3.36 t/ha for seasons 1, 2, 3 and 4, respectively. Line 20: Could change - had comparable grain yield. To had similar grain yield. Lines 24 to 25: several agro-ecologies during different cropping seasons. Line 33: late maturing varieties out-yielded the early maturing varieties by 27 to 40% [5]. The extra-early and early maturing Line 60: indepth Line 65: namely, early, intermediate and late maturity groups. Line 67: processing, preliminary evaluation of seed quality were done and the remaining seeds Line 72: 2.2 Experimental layout and cultural practices Line 75: the 12 genotypes with 3 replications. Line 97: shelled and percentage moisture at harvest was determined Line 98: Grain yield (GYD) at 13% moisture content was used 	

agreed with reviewer, correct the manuscript and manuscript. It is mandatory that authors should pere)

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18. Between Lines 98 and 99: Could mention or list out all	
the 10 flowering,	
morphological and productivity traits on which data	
were collected under	
Tables 1, 2 and 3; that is from DTA to GYD.	
 Line 99: Could put - 2.4 Data analysis Line 100: across the different maturity groups. All 	
analysis	
21. Line 101: of the statistical analysis system (SAS)	
software	
22. Line 102: compute mean squares	
23. Line 103: Range Test (DMRT) of same statistical	
package	
24. Line 104: 3. RESULTS	
25. Between Line 104 and 105: Could put sub-heading -	
3.1 Mean square values of agronomic characters of	
12 maize genotypes	
22. Lines 105 to 106: (ANOVA) were significantly (p<0.01) different. Season	
effect on flowering traits were days	
23. Line 110: maturity was negligible	
24. Line 112: each maturity group VAR(MAT) was only	
25. Line 113: of S x MAT was significant	
26. Between Lines 113 to 114: Could mention what Rep	
(Season) imply	
27. Line 117 to 118: two seasons (1 and 2) ; last 2 seasons (3 and 4)	
28. In Lines 120 to 123: Could have quoted most of the	
values in Table3. Eg.	
The early-maturing varieties had a mean DTA of 51.5	
days, while	
Intermediate and late had higher values of 54.7 days	
and 54.2 days.	
29. Line 124 to 125: ear height values of 61.1 and 55.5	
cm, which were lower	
than ; late maturing varieties (64.4 cm). 30. Line 126: had no significant differences	
31. Line 127: 4. DISCUSSION	
32. In Line 130: Could delete - and amount (Data not	
shown)	
33. Line 136: Could effect as in Lines 120 to 123	
 Line 144to 145: Number of days recorded 	
35. Line146: during the planting seasons were similar p>	
36. Lines 148 to 149: Could delete sentence – not shown in	
the Tables (lodging)	
37. Line 157: that some genotypes were late to maturity38. Line 168: Could put the physiological traits in brackets	
39. Line 170: Could change Comparable to similar	
40. Line 186: Could change Legion to Legon	
41. Lines 213 and 217: Could put names of town and	
country if possible	
42. Under headings in Tables 1, 2 and 3 could delete –	

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Optional/General comments	 at the Research Farm of the Institute of Agricultural Research and Training (IAR&T), Obafemi Awolowo University, Ibadan 43. In Table 1 – Could put – Season (S); Maturity (MAT); S X MAT; 44. In Table 1 – Could following to Footnotes : S – Season; MAT – Maturity; VAR(MAT) – Variety within maturity group; Rep (Season) ???; S X MAT – Interactive effect of season and maturity; 45. In Tables 1 2 and 3 could delete RTL - Root Lodging; STL- Shoot Lodging; using Duncan's multiple range test. EH/PH- Ratio of Ear Height over Plant Height; In Tables 2 and 3. Means with different letters in each column are significantly different at P< 0.05 	
	Correction could be effected by studying previous similar articles from reputable Journals	

PART 2:

		Author's comment (if agree highlight that part in the man his/her feedback here)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	

Reviewer Details:

Name:	Grace O. Tona
Department, University & Country	Ladoke Akintola University of Technology, Nigeria

reed with reviewer, correct the manuscript and nanuscript. It is mandatory that authors should write