



**SDI FINAL EVALUATION FORM 1.1**

**PART 1:**

|                          |                                                                                              |
|--------------------------|----------------------------------------------------------------------------------------------|
| Journal Name:            | <a href="#">International Journal of Biochemistry Research &amp; Review</a>                  |
| Manuscript Number:       | <b>Ms_IJBCRR_36296</b>                                                                       |
| Title of the Manuscript: | <b>INFLUENCE OF HARVESTING STAGE ON SEED QUALITY ASPECTS OF PUMPKIN (Curcubita pepo L.).</b> |
| Type of Article:         | <b>ORIGINAL RESEARCH PAPER</b>                                                               |



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**PART 2:**

|                                                      |                                                 |
|------------------------------------------------------|-------------------------------------------------|
| FINAL EVALUATOR’S comments on revised paper (if any) | Authors’ response to final evaluator’s comments |
|------------------------------------------------------|-------------------------------------------------|



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How to enumerate the lines in a page in a Word document: select Layout in the toolbar → select number on lines → select continuous numbering or restart on each page.

The manuscript can be accepted for publication only after compulsory corrections as indicated below.

There still some spelling error throughout the text. See some examples: *Curcubita* should be *Cucurbita*. Vigour, favoured, curcubits, neighbours, colour, thousand seeds. UoE or UOE?  
There is no aim at the end of the introduction.

**MATERIAL AND METHODS**  
Data collection  
Remove the sentence: Seed tesing was done at the seed science laboratory, using a substratum made of sand.

Four subsamples of 25 seeds from each lot were placed in where? In Petri dishes? sand moistened with distilled water.  
... was determined using an EC meter. Replace EC by conductivity.

The Figure 1 was not cited in the text.

**RESULTS**  
The results are not presented in a clear and understandable manner.

Soil ph for the three sites was done, whereby UOE had (4.96),.... Replace by: The soil pH for UOE was 4.96, .... Ph abbreviation is not correct. The correct is pH.

**Effect of different harvesting stages and sites on a thousand seed<sup>s</sup> weight**  
.... but there was no significant difference between the harvesting stage of 40 DAA and 30 DAA. The two local types of pumpkin showed no significant difference (Table 2). This does not agree whit is described in the table 2.

Table Footnote: Means with different letters in the row? are significantly different at P≤0.05 using protected Fischers test Least Significant Difference (LSD); ±SD n=4.

Were the comparisons within each column made?  
**Effect of different harvesting stages and sites on seed germination**  
... difference (Figure A). Should be Figure 2.

See better figure caption: **Figure 2: Germination percentage of pumpkin seeds harvested at different stages from Eldoret (A), Kaiboi (B) and Cheptebo (C). Error bars represent the Standard Deviation (SD) n=15.**

**Effect of harvesting stages and sites on pumpkin seed vigour (seedling growth rate)**  
  
Pumpkin fruits from Cheptebo gave seeds ... replace gave by produced.  
The two local types of pumpkin showed no significant difference. (Figure

**The lines in the pages of the document have been enumerated**

**Corrections have been done on the spelling mistakes**

**Corrections have been made**

**Looking at each site, the two pumpkin types are not significantly different along the column because they have the same letter (table 2).**

**Comparisons within each column were made**



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B and C). Should be Figure 3 and 4.

**See better figure caption:** Figure 3: Seedling height of round type of pumpkin harvested at 30, 40, 50 and 60 DAA from Eldoret (A), Kaiboi (B) and Cheptebo (C). Error bars represent Standard Deviation (SD) n=5

**See better figure caption:** Figure 4: Seedling height of oval type of pumpkin harvested at 30, 40, 50 and 60 DAA from Eldoret (A), Kaiboi (B) and Cheptebo (C). Error bars represent Standard Deviation (SD) n=5

**Effect of harvesting stages and sites on pumpkin seed vigour (electrical conductivity)**

Harvesting at 60 DAA resulted in the lowest level of electrical conductivity which was significantly different from 50 DAA, 40 DAA and 30 DAA. From the table 60 is not different from 50.

Pumpkin fruits from AIC Cheptebo gave seeds... replace gave by produced seeds ....

**Table 1: Electrical Conductivity ( $\mu\text{sg}^{-1}$ ) test results for harvesting stages of 30, 40, 50 and 60 DAA from Eldoret, Kaiboi and Cheptebo.**  
**Remove the words: test results.**

Footnote: Means with different letters in the row? are significantly different at  $P\leq 0.05$  using protected Fischers test Least Significant Difference (LSD);  $\pm\text{SD}$  n=4.

Were the comparisons within each column made?

**DISCUSSION**

The solutes, enzymes and proteins contribute to seed (not grain) development, followed by storage longevity and dessication tolerance [17].

**REFERENCES**

They continue not according to the instructions to the authors. See the example below.

1. Hilly M, Adams ML, Nelson SC. A study of digit fusion in the mouse embryo. Clin Exp Allergy. 2002; 32(4):489-98.

Comparisons within each column were made.