## Review Form 1.7

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| Journal Name: | **Journal of Experimental Agriculture International** |
| Manuscript Number: | **Ms_JEAI_113180** |
| Title of the Manuscript: | **Effect of moisture content on combine harvested seed crop and its quality** |
| Type of the Article | **Review Article** |

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**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)* |
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| **Compulsory** REVISION comments<br><br>**1. Is the manuscript important for scientific community?**<br>(Please write few sentences on this manuscript)<br><br>**2. Is the title of the article suitable?**<br>(If not please suggest an alternative title)<br><br>**3. Is the abstract of the article comprehensive?**<br><br>**4. Are subsections and structure of the manuscript appropriate?**<br><br>**5. Do you think the manuscript is scientifically correct?**<br><br>**6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.**<br><br>**(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)** | Abstract The abstract provides a concise overview of the significance of moisture content during harvesting and its impact on post-harvest losses, emphasizing the role of combine harvesters in mitigating these issues. However, it could be enhanced by briefly mentioning the specific objectives of the review, the main findings regarding moisture content's effect on seed quality, and the implications for agricultural practices.<br>**Suggestions for Improvement:**<br>1. Clearly state the objectives of the review.<br>2. Summarize key findings related to moisture content and seed quality.<br>3. Highlight the implications for farming practices and future research. Introduction The introduction effectively sets the context for the importance of efficient agricultural operations and the role of moisture content during harvesting. It could be improved by providing more specific statistics or examples to underline the impact of manual harvesting methods on crop production and post-harvest losses.<br>**Suggestions for Improvement:**<br>1. Include statistics or studies to support the statements about reductions in crop production due to manual harvesting.<br>2. Briefly introduce how combine harvesters address these challenges. Moisture Content during Harvesting This section provides valuable information on the optimal moisture content for harvesting various crops. However, it could benefit from a clearer structure and more direct linkage between moisture content and its effects on specific harvesting challenges like threshing difficulty and disease susceptibility.<br>**Suggestions for Improvement:**<br>1. Organize the information in a more structured manner, possibly with subheadings for each crop.<br>2. Elaborate on how specific moisture levels impact the mechanical processes of combine harvesters and the quality of harvested seeds. Adoption of Combine Harvesters The discussion on the adoption of combine harvesters in various countries is informative but lacks depth regarding the technological advancements in combine harvesters that specifically address moisture content challenges.<br>**Suggestions for Improvement:**<br>1. Include examples of technological features in modern combine harvesters that help in optimizing harvesting according to moisture content.<br>2. Discuss any barriers to adoption and how they can be overcome. Effect of Crop, Machine, and Operational Parameters This section is thorough and provides a comprehensive overview of how various factors affect seed quality. However, it could be enhanced by drawing clearer connections between the discussed parameters and practical recommendations for farmers.<br>**Suggestions for Improvement:**<br>1. Summarize key practical recommendations for farmers based on the findings.<br>2. Highlight any gaps in current knowledge or areas where further research is needed. Conclusion The conclusion reiterates the importance of managing moisture content during harvesting but could be strengthened by summarizing the main findings more clearly and suggesting directions for future research.<br>Suggestions for Improvement:<br>1. Provide a concise summary of the main findings regarding the impact of moisture content on seed quality and combine harvester efficiency.<br>2. Suggest specific areas for future research to further optimize harvesting practices related to moisture content. General Feedback The review provides valuable insights into the effect of moisture content on combine harvested seed crops and their quality.<br>Improving the structure and clarity of the text, providing more specific examples and recommendations, and highlighting areas for future research would make the review more informative and practical for its intended audience | |

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| **Minor** REVISION comments<br><br>**1. Is language/English quality of the article suitable for scholarly communications?** | | |
| **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)* |
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| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* | |

**Reviewer Details:**

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|---|---|
| Name: | **Nikola M. Pavlovic** |
| Department, University & Country | **The University of Nis, Serbia** |