## Review Form 1.7

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| Journal Name: | **Journal of Scientific Research and Reports** |
| Manuscript Number: | **Ms_JSRR_118216** |
| Title of the Manuscript: | **Comparison between manual harvesting and mechanical harvesting** |
| Type of the Article | |

**General guideline for Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty'**, 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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## Review Form 1.7

**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)** | ****Content and Analysis:****<br>The paper is well-structured, beginning with a historical overview of harvesting methods and moving towards a detailed comparison between manual and mechanical techniques. Manual harvesting, as described, is labor-intensive and meticulous, making it ideal for delicate crops but costly and dependent on seasonal labor availability. In contrast, mechanical harvesting is portrayed as a solution for large-scale operations, offering efficiency and scalability but requiring significant financial investment and potentially causing crop damage and soil compaction.<br><br>The study meticulously compares the economic implications of both methods, noting the high initial costs of mechanization against the ongoing labor costs of manual harvesting. The paper also addresses practical challenges such as labor shortages, equipment maintenance, and the adaptability of mechanical harvesters to different crops and terrains.<br><br>****Abstract and Introduction:****<br>The paper titled "Comparison between Manual Harvesting and Mechanical Harvesting" offers a comprehensive analysis of both human and automated harvesting techniques in agriculture. The abstract succinctly outlines the scope of the study, highlighting key differences, impacts, challenges, costs, and future directions for both harvesting methods. The introduction effectively sets the stage by emphasizing the importance of mechanized agriculture in addressing food security, enhancing productivity, and supporting socio-economic development, especially in the face of labor shortages and climate change. | |
| **Minor** REVISION comments<br><br>1. **Is language/English quality of the article suitable for scholarly communications?** | The inclusion of figures, such as the depiction of manual and mechanical harvesting practices and threshing methods, adds clarity and visual support to the textual analysis. These illustrations help in contrasting the labor-intensive nature of manual methods with the efficiency of mechanical processes, reinforcing the arguments presented.<br>The inclusion of figures, such as the depiction of manual and mechanical harvesting practices and threshing methods, adds clarity and visual support to the textual analysis. These illustrations help in contrasting the labor-intensive nature of manual methods with the efficiency of mechanical processes, reinforcing the arguments presented.<br>****Future Prospects:****<br>The discussion on future developments is particularly insightful. The potential of integrating advanced technologies like robotics and artificial intelligence (AI) into harvesting processes is explored, suggesting a move towards more efficient and sustainable agricultural practices. This forward-looking perspective is crucial, as it aligns with current trends in agricultural innovation and addresses the need for solutions that balance productivity with environmental sustainability.<br>The inclusion of figures, such as the depiction of manual and mechanical harvesting practices and threshing methods, adds clarity and visual support to the textual analysis. These illustrations help in contrasting the labor-intensive nature of manual methods with the efficiency of mechanical processes, reinforcing the arguments presented.<br>****Future Prospects:****<br>The discussion on future developments is particularly insightful. The potential of integrating advanced technologies like robotics and artificial intelligence (AI) into harvesting processes is explored, suggesting a move towards more efficient and sustainable agricultural practices. This forward-looking perspective is crucial, as it aligns with current trends in agricultural innovation and | |

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| **Optional/General** comments | The inclusion of figures, such as the depiction of manual and mechanical harvesting practices and threshing methods, adds clarity and visual support to the textual analysis. These illustrations help in contrasting the labor-intensive nature of manual methods with the efficiency of mechanical processes, reinforcing the arguments presented.<br>****Future Prospects:****<br>The discussion on future developments is particularly insightful. The potential of integrating advanced technologies like robotics and artificial intelligence (AI) into harvesting processes is explored, suggesting a move towards more efficient and sustainable agricultural practices. This forward-looking perspective is crucial, as it aligns with current trends in agricultural innovation and addresses the need for solutions that balance productivity with environmental sustainability. | |

**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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