

**Review Form 3**

Journal Name:	<b>Journal of Experimental Agriculture International</b>
Manuscript Number:	<b>Ms_JEAI_121442</b>
Title of the Manuscript:	<b>Impact of Various Weed Control Methods on Weed Density, Weed Control Efficiency, and Seed Yield in Lentil (<i>Lens culinaris</i> Medik L.)</b>
Type of the Article	

### Review Form 3

#### **PART 1:** Review Comments

<b>Compulsory</b> REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.		
Is the title of the article suitable? (If not please suggest an alternative title)		
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.		
Are subsections and structure of the manuscript appropriate?		
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.		
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.		

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<p>Minor REVISION comments</p> <p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>		
<p><b>Optional/General</b> comments</p>	<p>As a peer reviewer, I would provide the following critical review and suggestions for improvement for this paper on weed control methods in lentil cultivation:</p> <p>Critical Review:</p> <ol style="list-style-type: none"><li>1. The abstract provides a good overview of the study, but could be more concise and focused on key findings.</li><li>2. The introduction is comprehensive and establishes the importance of weed management in lentil cultivation well. It provides good background on pulses and lentils.</li><li>3. The materials and methods section lacks some important details, such as the duration of the experiment, plot sizes, and specific dates of operations.</li><li>4. The results and discussion section presents findings clearly but lacks in-depth analysis and comparison with existing literature.</li><li>5. The conclusion is brief and could be more comprehensive in summarizing key findings and their implications.</li><li>6. The tables are informative but could be formatted better for easier readability.</li><li>7. Statistical analysis seems appropriate, but more details on analysis methods would be beneficial.</li><li>8. The reference list is relevant but appears limited and could be expanded to include more recent studies.</li></ol> <p>Suggestions for Improvement:</p> <ol style="list-style-type: none"><li>1. Expand the materials and methods section to include more details on experimental design, plot sizes, and specific dates of operations.</li><li>2. Provide more information on environmental conditions during the experiment, including temperature, rainfall, and soil characteristics.</li><li>3. Include a more detailed description of weed species present in the experimental field.</li><li>4. Enhance the results and discussion section by comparing findings with similar studies from different regions or conditions.</li><li>5. Add a separate discussion section to delve deeper into the implications of results and potential applications.</li><li>6. Include an economic analysis of different weed management practices to provide practical information for farmers.</li><li>7. Improve formatting and presentation of tables for better readability. Consider adding graphs or charts to illustrate key findings.</li><li>8. Expand the literature review in the introduction to include more recent studies on weed management</li></ol>	

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	<p>in lentils.</p> <p>9. Provide more details on statistical analysis methods used, including any software employed.</p> <p>10. Discuss limitations of the study and suggest areas for future research.</p> <p>11. Include a brief section on practical implications of findings for lentil farmers.</p> <p>12. Consider adding a short section on environmental impacts of different weed management practices studied.</p> <p>13. Proofread the manuscript carefully to correct any minor grammatical or typographical errors.</p> <p>14. Expand the conclusion to include broader implications of the study and recommendations for farmers and researchers.</p> <p>15. Update and expand the reference list to include more recent and diverse sources.</p> <p>These improvements would enhance the overall quality and impact of the paper, making it more comprehensive and valuable to the scientific community and practitioners in the field of lentil cultivation and weed management.</p>	
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**PART 2:**

	Reviewer's comment	Author's comment <i>(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)</i>
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

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