

**Review Form 1.7**

Journal Name:	<b>Journal of Experimental Agriculture International</b>
Manuscript Number:	<b>Ms_JEAI_117387</b>
Title of the Manuscript:	<b>Effective Weed Management Strategies for Sustainable Cultivation of Sugarcane: A comprehensive Review</b>
Type of the Article	<b>Review Article</b>

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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)
<p><b><u>Compulsory</u></b> REVISION comments</p> <ol style="list-style-type: none"> <li>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</li> <li>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</li> <li>3. <b>Is the abstract of the article comprehensive?</b></li> <li>4. <b>Are subsections and structure of the manuscript appropriate?</b></li> <li>5. <b>Do you think the manuscript is scientifically correct?</b></li> <li>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></li> </ol> <p><b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p>	<ol style="list-style-type: none"> <li>1. Yes, the manuscript is relevant</li>   <li>2. Yes</li>   <li>3. No it fails to provide a concise and structured overview of the article's content. The abstract should be streamlined to include: <ul style="list-style-type: none"> <li>• A brief introduction to the significance of sugarcane and the weed problem.</li> <li>• A succinct summary of the main weed management strategies discussed.</li> <li>• Key findings or recommendations from the review.</li> <li>• A conclusion highlighting the importance of these strategies for sustainable cultivation. Currently, the abstract is overly detailed and should be more focused on providing a clear and concise snapshot of the review's main contributions.</li> </ul> </li>   <li>4. No The subsections and structure lack depth in their discussion. They provide basic information without a complex description of weed types or control methods, hindering a comprehensive understanding.</li> <li>5. Yes</li>   <li>6. No The references provided exhibit several weaknesses. Firstly, there's a lack of recent sources, with many dated prior to 2020, potentially omitting crucial advancements in sustainable agriculture. Additionally, some references are repetitive, with the same author and publication appearing multiple times (e.g., Shah, Wu in references 4 and 5). This repetition may suggest a limited breadth of sources consulted. Moreover, citation formatting inconsistencies are evident, such as missing page numbers and varying journal title abbreviations. Finally, there's a notable absence of primary research studies, relying heavily on review papers, potentially limiting the depth and reliability of the information presented.</li> </ol>	
<p><b><u>Minor</u></b> REVISION comments</p> <ol style="list-style-type: none"> <li>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></li> </ol>	<p>Yes</p>	
<p><b><u>Optional/General</u></b> comments</p>	<p>The manuscript provides a comprehensive overview of weed management strategies in sugarcane cultivation, covering various aspects such as weed types, infestation variability, and the impact of weeds on yield. It also discusses different weed control methods, including physical, chemical, biological, and cultural approaches, emphasizing the importance of integrated weed management. The inclusion of a case study on Integrated Weed Management (IWM) in sugarcane cultivation adds practical relevance to the discussion. However, there are some areas that could be improved.</p>	

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	<p>Firstly, the manuscript would benefit from a clearer structure, with headings and subheadings to enhance readability and organization. Additionally, while the literature review is extensive, there's a need for more recent and diverse sources to ensure the inclusion of the latest research findings and perspectives. Finally, providing more detailed examples and case studies could enhance the practical applicability of the information presented. Overall, the manuscript offers valuable insights into weed management in sugarcane cultivation but could be strengthened through improved structure and inclusion of more diverse and recent sources.</p> <p>Needs to be made regarding the grammar, references and structure of the manuscript.</p>	
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**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <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>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p> <p>No, there are no ethical issues.</p>	

**Reviewer Details:**

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