

**Review Form 3**

Journal Name:	<b>International Journal of Plant &amp; Soil Science</b>
Manuscript Number:	<b>Ms_IJPSS_122258</b>
Title of the Manuscript:	<b>Impact of Different Herbicidal Treatments on Hybrid Maize: A Review</b>
Type of the Article	<b>Review Article</b>

**Review Form 3**

**PART 1: Review Comments**

<b>Compulsory</b> REVISION comments	Reviewer's comment	<b>Author's Feedback</b> (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
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.	Weeds pose a significant challenge to agricultural production. Therefore, there is a continuous need to develop an effective and sustainable weed management program. This manuscript provides an overview of the advancements in herbicidal weed control in hybrid maize, offering insights for the formulation of effective weed management strategy to enhance food production. Herbicides play a crucial role in weed management by reducing the reliance on manual labor in agriculture. Therefore, this manuscript will be valuable to the scientific community, providing insights into the efficacy of herbicidal weed management options, particularly tembotrione and atrazine, in hybrid maize.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	
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.	➤ Yes, abstract of this article is comprehensive.	
Are subsections and structure of the manuscript appropriate?	Yes, subsections and structure of the manuscript is OK for the review article.	
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.	Yes, Author(s) has written technically sound and detailed review on bio-efficacy of tembotrione and atrazine along with phytotoxicity, residual effect and economics in maize crop. A good information regarding losses due to weeds, critical period of crop weed competition as well as weed flora associated with maize crop are also included in this manuscript.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	➤ Yes, references are enough and recent to support the article.	

**Review Form 3**

<p><b>Minor REVISION comments</b></p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<ul style="list-style-type: none"> <li>➤ Yes, quality of the writing is quite good. Although, this manuscript still needs focus on technical writing so that quality of paper can be enhanced before the publication in journal.</li> </ul> <p><b>Minor REVISION comments:</b></p> <ul style="list-style-type: none"> <li>➤ This article still needs minor revision before the final publication.</li> <li>➤ In abstract, names of some important weed species controlled with herbicidal treatments of tembotrione and atrazine may be written as well as it's impact on phytotoxicity, yield and profit of maize crop should be narrated in general instead of stating any treatment superior without any data.</li> <li>➤ The manuscript should be equipped with research data regarding weed index and weed control efficiency in parenthesis from previous studies.</li> <li>➤ Corrections in botanical name of weeds must be done.</li> <li>➤ Complete botanical name of weeds should be written instead abbreviation of genus name.</li> <li>➤ In keywords 'Tembotrione' may be added.</li> <li>➤ After weed free treatment write followed by instead of short form 'fb' and then enlist next best treatments. Use fb only where single treatment combining different PE and PoE herbicides.</li> <li>➤ No need to write treatment numbers like T<sub>1</sub>, T<sub>2</sub>, T<sub>3</sub>...</li> <li>➤ Conclusion should be given.</li> </ul>	
<p><b>Optional/General comments</b></p>	<ul style="list-style-type: none"> <li>➤ References should follow the journal's style and numbered in the order that they appear in the text.</li> <li>➤ Refer published review articles and general guideline of this journal for further assistance.</li> </ul>	

**PART 2:**

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

**Reviewer Details:**

<p>Name:</p>	<p><b>Ravindra M. Muchhadiya</b></p>
<p>Department, University &amp; Country</p>	<p><b>College of Agriculture, Junagadh Agricultural University, India</b></p>