

Review Form 1.7

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	Ms_JABB_119928
Title of the Manuscript:	Screening of onion varieties against thrips, Thrips tabaci L.
Type of the 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)
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ul style="list-style-type: none"> <input type="checkbox"/> The manuscript titled "Screening of onion varieties against thrips <i>Thrips tabaci</i> L." addresses a significant agricultural problem. Thrips are a major pest affecting onion crops, leading to substantial yield losses. By evaluating the susceptibility of different onion varieties to thrips, this research provides valuable insights for farmers and agricultural scientists seeking to enhance pest management strategies and improve onion crop yields. This study contributes to sustainable agriculture by potentially reducing the need for chemical pesticides through the selection of more resistant onion varieties. <input type="checkbox"/> The current title, "Screening of onion varieties against thrips <i>Thrips tabaci</i> L.," is clear and descriptive. It accurately reflects the content of the manuscript. However, to make it more specific and informative, the title could be revised to: "Evaluation of Onion Varieties for Resistance to Thrips <i>Thrips tabaci</i> L. in Madhya Pradesh, India." <input type="checkbox"/> The abstract is comprehensive but could benefit from some improvements for clarity and conciseness. Here is a revised version: "An investigation was undertaken to study the screening of onion varieties against thrips <i>Thrips tabaci</i> L. in the grid region of Madhya Pradesh, India. Twelve onion varieties were sown, and different levels of thrips incidence were observed over two successive years (2022–23 and 2023–24). None of the varieties were fully free from pest infestations. Among the twelve varieties, two were categorized as highly susceptible, eight as moderately susceptible, and two as less susceptible. The variety Light Red had the lowest thrips population, followed by Bhima Shweta. The highly susceptible varieties, Nasik Red (N-53) and Gauran LR-241, recorded the highest thrips populations." <input type="checkbox"/> The manuscript is well-structured with appropriate subsections, including Introduction, Methods and Materials, Results, and Discussion. Each section is clearly defined and follows a logical flow. However, the addition of a Conclusion section summarizing the key findings and implications of the study would enhance the overall structure. <input type="checkbox"/> The manuscript appears to be scientifically sound. The methodology is clearly described, and the results are presented with appropriate statistical analysis. The discussion effectively relates the findings to previous research. However, there are some areas where the manuscript could be strengthened: <ul style="list-style-type: none"> <input type="checkbox"/> Provide more detailed descriptions of the experimental conditions and any controls used. <input type="checkbox"/> Include additional information on the statistical methods employed for data analysis. <p>The references cited in the manuscript are relevant and sufficient. They cover a range of studies related to onion thrips and varietal resistance. However, it is recommended to include more recent references if available. Here are a few additional references that could be considered:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Recent advancements in thrips management in onion crops. This could provide a broader context for the study. <input type="checkbox"/> Genetic basis of resistance to thrips in onion varieties. This would add depth to the discussion on varietal resistance. 	

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Minor REVISION comments 1. Is language/English quality of the article suitable for scholarly communications?	<ol style="list-style-type: none">1. Importance for the Scientific Community<ul style="list-style-type: none">- The study is highly relevant and provides valuable insights into the resistance of onion varieties to thrips, a significant agricultural pest.2. Title<ul style="list-style-type: none">- The title is suitable but could be slightly revised for more specificity.3. Abstract<ul style="list-style-type: none">- The abstract is comprehensive but can be improved for clarity and conciseness.4. Structure and Subsections<ul style="list-style-type: none">- The manuscript is well-structured but would benefit from the addition of a Conclusion section.5. Scientific Correctness<ul style="list-style-type: none">- The study is scientifically sound, but more detailed descriptions of the experimental conditions and statistical methods are needed.6. References<ul style="list-style-type: none">- The references are sufficient but could be updated with more recent studies.	
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)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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