

Review Form 3

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_127877
Title of the Manuscript:	Effect of Vermicompost and Bio-stimulants for improving the growth, yield and quality of onion (<i>Allium cepa</i> L.)
Type of the Article	

PART 1: 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. A minimum of 3-4 sentences may be required for this part.	This manuscript contains useful information for the scientific community and growers related to the use of vermicompost and biostimulants Beejamrit and Jeevamrit in onion cultivation. Vermicompost, produced through the breakdown of organic waste by earthworms, offers a natural and effective way to enhance onion production. Several studies have reported that it enriches the soil with essential nutrients like nitrogen, phosphorus, and potassium, which are vital for plant growth. The use of vermicompost improves soil structure, increases water retention, and promotes beneficial microbial activity, leading to healthier onion plants. Overall, integrating vermicompost into onion cultivation can result in higher yields and improved crop quality. Beejamrit is a traditional bio-fertilizer used in organic farming, particularly in India, to enhance seed and soil health. It not only promotes healthier crops but also maintains the ecological balance of the soil. Jeevamrit is an organic bio-fertilizer widely used in Indian farming to enrich soil fertility and boost plant health. By using vermicompost and biostimulants Beejamrit and Jeevamrit, farmers can improve soil structure, promote vigorous plant growth, and reduce dependency on chemical fertilizers, contributing to an environmentally friendly and cost-effective farming practice.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title correctly and precisely identifies the content of the manuscript.	
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.	The abstract reflects clearly the basic information of the article. In the abstract, the authors may explain what it means "Rabi Season". "Bio-stimulates" in this section may be replaced by "biostimulants". In the summary and in the whole article instead of "Vermicompost 2, 3, 5 Ton" can be used "Vermicompost 2, 3, 5 tons". There is also an error in spelling of "weight" (6.66 g).	
Is the manuscript scientifically, correct? Please write here.	The manuscript on the use of vermicompost and biostimulants Beejamrit and Jeevamrit in onion cultivation appears to be scientifically accurate. It correctly describes their benefits for plant growth, shelf life at room temperature, and onion yield.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references included support the idea of the effectiveness of vermicompost and biostimulants in sustainable and environmentally friendly practices. The references cited are adequate for the manuscript.	

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<p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>The manuscript is clear and informative, but for scholarly communication a few corrections could improve the quality of the language, e.g. use more precise and formal language, maintain consistent terminology, and adopt a more academic tone.</p>	
<p><u>Optional/General</u> comments</p>	<p>Here are some recommendations to make your manuscript more accurate for scholarly communication: There is an error in spelling of “tones” in the Introduction section. The authors can present the characteristics of the vermicompost and biostimulants (Beejamrit and Jeevamrit) used in the study in the Materials and Methods section. It needs to be clarified what RDF means. Explain what "duration of crop" means. Perhaps it is the days from transplanting to harvest? In my opinion, "shelf life in normal room" can be replaced with "shelf life at room temperature". Table-01: Effect of vermicompost and bio-stimulants on growth and shelf life of onion <u>of onion</u> (<i>Allium cepa</i> L.) It has been described that “The treatment T10 (Vermicompost 5 Ton + Beejamrit 10% + Jeevamrit 10% Two Spray) enhance various aspects of plant physiology, such as elevated chlorophyll levels, increased photosynthetic activity, enhanced translocation of nutrients and increased respiratory activity”. In my opinion, this is not correct because there is no research in the area of plant physiology. The authors can only assume that similar changes may occur in plants. “Maximum shelf life in the treatment T7 (Vermicompost 3 Ton + Beejamrit 10% + Jeevamrit 10% Two Spray) might be due to an inadequate supply of nutrients for proper growth and development stages of onion”!? Maybe you mean adequate instead of “inadequate”? “...the maximum bulb weight (gm)...”. It is known that the symbol for the gram is the lowercase letter "g". What are C.V. and C.D. given in the tables? Authors should present a full description of these indicators below the tables. Also, the authors can use the values of these statistical indicators in the analysis of the results. It should be noted that the maximum growth and yield values in the tables are given in red.</p>	

PART 2:

	<p>Reviewer’s comment</p>	<p>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>
<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:

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