

Review Form 3

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_125617
Title of the Manuscript:	Effect of Organic Manures and Biofertilizer on Crop Phenology, Growth Parameters and Yield of Mung Bean ( <i>Vigna radiata</i> )
Type of the Article	Original Research Article

### Review Form 3

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

<b>Compulsory</b> REVISION comments	<b>Reviewer's comment</b>	<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)
<b>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.</b>	The study provides valuable insights into how organic inputs can influence crop growth, which is crucial for promoting eco-friendly farming and reducing dependence on chemical fertilizers.	Noted
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	<b>Yes.</b> (Need to rectify the spelling) <b>Effect of Organic Manures and Biofertilizer on Crop Phenology, Growth Parameters and Yield of Mung Bean (<i>Vigna radiata</i>)</b>	Revision made
<b>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.</b>	<b>Yes</b> (Pulses are significant in India's agricultural economy not only for their worth as human food, but also for animals because of their high protein content. Due to pulses deep roots and great ground cover, pulses are drought tolerant and minimize soil erosion and are known as a "Marvel of Nature" because of these positive qualities. Mung bean, also known as green gram ( <i>Vigna radiata</i> ) is a small green, and cylindrical-shaped legume that is widely cultivated in various parts of the world, including India, China, and Southeast Asia. The present study was carried out during <i>summer</i> season of 2024 at Research Farm, School of Agriculture, OM Sterling Global University, Hisar. Seven treatment combinations comprising organic manures and bio fertilizer were tested in randomized block design in three replications. The results revealed that the phenology studies viz., days taken to emergence (6.67), flowering (43.67), pod initiation (52.00) and maturity (65.67), growth parameters viz., plant height (21.07; 48.82; 58.67; 59.00 cm), dry matter accumulation (4.93; 13.83; 19.32; 21.41 g) root shoot ratio on the length (0.58; 0.65; 0.70; 0.75), root shoot ratio on the weight basis (0.29; 0.35; 0.35; 0.36) and number of branches per plant (3.67; 5.00; 5.67; 5.83) at 30, 45, 60 and at harvest stages, respectively and seed yield were significantly higher in the treatment of Jeevamrutha@ 3000 l ha <sup>-1</sup> through three splits at sowing, 30 and 45 DAS + Rhizobium +PSB. Whereas, significantly minimum for all above parameters were recorded under control).	Noted  Revision made
<b>Are subsections and structure of the manuscript appropriate?</b>	<b>Yes</b>	
<b>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.</b>	The manuscript appears scientifically robust and technically sound as it is based on well-established principles of agronomy and soil science. The experimental design, which includes the use of organic manures and biofertilizers, is appropriate for studying their impact on the phenology, growth parameters and yield of mung bean ( <i>Vigna radiata</i> ).	OK
<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b>	<b>Yes</b>	

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Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	Yes	
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?	(If yes, Kindly please write down the ethical issues here in details)	