

Review Form 3

Journal Name:	Microbiology Research Journal International
Manuscript Number:	Ms_MRJI_130780
Title of the Manuscript:	Effect of combined use of nutrition and weed management practices on the weed studies, seed yield and microbial counts of soil in blackgram
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.	<p>The MS describe the effect of combination of weed and nutrient management strategies in black gram and their effect on yield and weed parameter along with soil microbial count.</p> <p>The MS is well written and provided with needful data.</p> <p>The MS require minor revision.</p> <p>The MS is lacking in economics of crop as well as stover yield and harvest index is not given.</p>	
Is the title of the article suitable? (If not please suggest an alternative title)	Add scientific name of black gram in title.	
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.	<p>Too lengthy. Abstract. Reduce it to 250 to 275 words.</p> <p>Introduction is not needed; directed start from the objective followed by place/location of experiment station.</p> <p>Spell out the abbreviation "NEBCRC, GBPUA&T".</p> <p>Write only significant findings and write in % increase in best treatment combination over control for important parameter such as yield, economics, etc.</p> <p>The concluding statement should be based on MS and data present and not general statement such as "holistic management"- What does it mean?</p>	
Is the manuscript scientifically, correct? Please write here.	<p>No any growth and yield attributes were given.</p> <p>Information on consortia as well as PGPR, Rhizobium source and PSB source is not given.</p> <p>Inoculation procedure also needs to mention.</p> <p>Why weed count is taken at harvest is difficult to know and understand.</p> <p>Microbial count is also taken at harvest.</p>	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.		

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<p>Is the language/English quality of the article suitable for scholarly communications?</p>		
<p>Optional/General comments</p>	<p>Introduction:</p> <ul style="list-style-type: none"> • Authors made lot of statement without references which is not a valid; hence provide references for all statement made in introduction. • Information on background research work done earlier is lacking; provide some herbicide and other weed management methods tried and their findings and same for nutrient and bio-fertilizer/ consortia application. • In first paragraph, avoid writing general importance of black gram; as it is well known; Write present state of production, area and concerns in black gram production which need to be address. <p>Material and methods:</p> <ul style="list-style-type: none"> • Provide information on weather during crop cultivation period and also climatic conditions of the selected place/location. • Write the nutrient (N, P and K) provided and not the - "12:32:16 N P K mixture @150 kg ha⁻¹ was applied". • Any pest and disease management practices? • Write about water management. • Is it worthy to measure weed attributes at harvest? • Provide information on seed inoculation as well as PGPR and microbial consortia? Which microorganisms are used As PGPR and in consortia? <p>Result and discussion:</p> <ul style="list-style-type: none"> • Cite the table number and figure number at appropriate places in text. • Non-significance of interaction in all most all measured parameter is surprising; • Author reported- "minimum microbial population was reported in the weedy check"- Is it? The mim. Supposed to be with agrochemical application; Is it due to time of measuring count? • Authors can reduce the length of this section and write only significant findings. Avoid writing for each parameter that "the effect of seed inoculation, foliar fertilization and weed management sign. affect parameter. • Start directly writing about treatment and combination having significant impact. <p>Conclusion: It should be concise, based on data presented in MS and address the aim/objective of study. Improve it. Best treatment/ combination for weed management and yield?</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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<p>Department, University & Country</p>	<p>Central Agricultural University, India</p>