

Review Form 1.7

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| Journal Name: | Journal of Experimental Agriculture International |
| Manuscript Number: | Ms_JEAI_119615 |
| Title of the Manuscript: | Effect of weed management practices on nutrient content and their uptake by green gram crop (<i>Vigna radiata</i> L.) |
| Type of the Article | Original Research 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> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p> | <p>Yes, the manuscript is about a relevant issue, as green gram bean is a very important crop mainly grown in Asia and particularly relevant for India, as it is considered the most nutritive among legumes which also helps to maintain soil fertility. As the presence of weeds are one of the main causes of low yield per hectare, more research is needed about weed management strategies.</p> <p>2- The title is suitable.</p> <p>3- The abstract is comprehensive, but not correctly structured, as it is divided in subsections. The abstract should be a text or paragraph including a brief introduction to de subject and why the study is important, a brief explanation of the applied methodology, as well as main results and conclusion. Details of experimental design should be included in material and methods section.</p> <p>4. Structure and subsections are appropriate. Introduction is not too long and shows the relevance of the crop and weed management, however the aim of the study should be remarked. Figures need to be improved and statistics included. Treatments are only described in text, but a more extensive explanation is needed, and many abbreviations were used without description in legends or text. In addition, commercial products are just named, however descriptions and effects on the environment, not even mentioned to discuss together with nutrient uptake results. Maby, another table can be introduced in which different treatments could be better explained and visualized, including characteristics of each product.</p> <p>5. The manuscript is scientifically correct, the author followed appropriate experimental design</p> <p>6. Recent scientific references are only 5 and 8, from the same author (Rathika et al.) I suggest including recent references (5 years) from other groups</p> | |
| <p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p> | <p>English language is comprehensive and suitable for scholarly communications. However, there are some words which are not translated (p.ex. khurpi), and some paragraphs to be revised. Also, the word "kharif", as it is not a very used word, it is suggested to include a definition in the text.</p> | |
| <p>Optional/General comments</p> | <p>The manuscript is pertinent and about a relevant issue, which has economic impact on a very important crop, and has a comprehensive English language. The structure of the manuscript is appropriate; however, the author must improve abstract and figures, as well as materials & methods to better visualize results. I also suggest to improve discussion including more recent references, and more information about products and treatments used to control weeds.</p> | |

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PART 2:

| | Reviewer's comment | Author's comment <i>(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)</i> |
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| 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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