

Review Form 3

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| Journal Name: | International Journal of Plant & Soil Science |
| Manuscript Number: | Ms_IJPSS_125521 |
| Title of the Manuscript: | PULSES IN CONSERVATION AGRICULTURE- A Review |
| Type of the Article | Review article |

PART 1: Review Comments

| Compulsory REVISION 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> |
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| <p>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.</p> | <p>This manuscript provides a comprehensive review of the role of pulses in conservation agriculture (CA), which is crucial for improving sustainability in agricultural practices.</p> <p>Pulses are key to enhancing soil health, reducing reliance on synthetic fertilizers, and mitigating climate change impacts through nitrogen fixation and water efficiency.</p> <p>The findings are important for addressing global food security challenges, especially in developing countries where resource conservation and crop productivity are critical.</p> <p>This manuscript is important for the scientific community as it highlights the vital role of pulses in conservation agriculture. By focusing on soil health improvement, nitrogen fixation, and crop rotation benefits, this review provides a resource-efficient approach to sustainable agriculture. The integration of pulses into CA practices can significantly contribute to global food security and environmental sustainability, addressing critical challenges posed by modern intensive agricultural systems.</p> | |
| <p>Is the title of the article suitable? (If not please suggest an alternative title)</p> | <p>The current title is suitable as it accurately reflects the focus of the manuscript on the role of pulses in conservation agriculture.</p> <p>"The Role of Pulses in Enhancing Soil Health and Sustainability in Conservation Agriculture,".</p> <p>"Pulses as a Key Component in Conservation Agriculture: Impacts on Soil Health and Sustainability".</p> | |
| <p>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> | <p>The abstract effectively outlines the challenges of modern intensive agriculture and introduces the benefits of conservation agriculture (CA) with a focus on pulses.</p> <p>"Nutrient cycling and water use efficiency".</p> <p>"Environmental impacts ".</p> <p>"Global relevance ".</p> | |
| <p>Are subsections and structure of the manuscript appropriate?</p> | <p>The subsections and structure are appropriate, providing a logical flow of information from the background of conservation agriculture to the specific role of pulses.</p> | |
| <p>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.</p> | <p>This manuscript is scientifically robust and technically sound as it provides a thorough review of the role of pulses in conservation agriculture (CA), supported by well-referenced and up-to-date research. It effectively outlines how pulses contribute to soil health, nitrogen fixation, and sustainability, key factors in addressing challenges in modern agriculture. The technical accuracy is evident in</p> | |

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| | the detailed explanations of the ecological benefits of pulses, including nutrient recycling, water conservation, and the reduction of greenhouse gas emissions. | |
| Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. | The references are sufficient and recent, encompassing key studies that support the role of pulses in conservation agriculture. | |
| Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications? | The language quality is appropriate for scholarly communication, with clear and concise descriptions of the key concepts. | |
| Optional/General comments | | |

PART 2:

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| | 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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