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| Journal Name: | [**International Journal of Plant & Soil Science**](https://journalijpss.com/index.php/IJPSS) |
| Manuscript Number: | **Ms\_IJPSS\_141477** |
| Title of the Manuscript: | **Optimizing the sowing windows and irrigation schedules for enhanced growth and productivity for potato crop** |
| Type of the Article | **Short Research Article** |

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **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 tackles a significant challenge in agriculture by exploring the best sowing dates and irrigation schedules for growing potatoes, which is crucial for ensuring food security and promoting sustainable farming practices. The research offers important insights into how the timing of sowing and effective water management can greatly influence potato yields, especially in light of the climate variability and water scarcity issues that farmers around the world are currently facing. The findings from this study shed light on the relationship between sowing dates and irrigation strategies, providing a foundation for evidence-based agricultural practices that can boost crop production while making the most of available resources. This work holds great importance for agricultural scientists, agronomists, and policymakers who are focused on developing sustainable strategies for crop production. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | The title is generally appropriate as it clearly indicates the focus on optimizing both sowing windows and irrigation schedules for potato crop productivity. |  |
| 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. | This is a significant shortcoming because abstracts are essential for research communication, providing readers with a concise summary of the objectives, methodology, major findings, and conclusions. I strongly recommend adding a comprehensive abstract that includes: (1) the objectives of the study, (2) the experimental design and methodology, (3) the major findings related to optimal sowing dates and irrigation schedules and (4) the statistical significance of the results. | The corrections has been updated for the abstract. |
| Is the manuscript scientifically, correct? Please write here. | Yes |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | Sufficient but I strongly recommended that write references according to the journal guidelines and in some references, instead of writing all the author's name, dot (....) is written, so correct that too. | The references section has been updated. |
| Is the language/English quality of the article suitable for scholarly communications? | The quality of English needs improvement to meet scholarly publishing standards. The manuscript contains numerous grammatical errors and awkward phrases. Minor language editing is recommended before publication. | Language editing has been done to improve the quality/ |
| Optional/General comments | The manuscript presents valuable research but requires substantial revision. As per above details.  **PLEASE SEE ATTACHMENT** |  |

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| **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)* |  |