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| Journal Name: | [Journal of Advances in Biology & Biotechnology](https://journaljabb.com/index.php/JABB) |
| Manuscript Number: | Ms\_JABB\_138626 |
| Title of the Manuscript: | Optimizing Wheat Production and Resource Use Efficiency under Varying Tillage and Residue Management Systems |
| Type of the Article | Original 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. | Through rigorous validation of key parameters biological specificity, and reproducibility an optimized framework was established to enhance wheat performance while addressing resource constraints. In agronomy and crop biochemistry, the study emphasizes synergistic interactions the inputs used, highlighting their combined impact on critical physiological processes, developmental regulation, and yield-quality enhancement of wheat cultivars. The study reveals resource use efficiency, by minimizing fertilizer losses compared to traditional soil-based methods for sustainable production. | Yes |
| Is the title of the article suitable?  (If not please suggest an alternative title) | Definitely, yes | Yes |
| 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. | Its comprehensive, besides to that if you can incorporate the comments and include the result of the nutritional content, it will be more comprehensive. | done |
| Is the manuscript scientifically, correct? Please write here. | Scientifically correct! | Yes |
| Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. | Yes, sufficient, however I have highlighted in the introduction to support some reference | Supporting references have been added. |
| Is the language/English quality of the article suitable for scholarly communications? | The language quality for the article is satisfactory, need only check again some minor spelling and paraphrasing. | Correction were done wherever needed. |
| Optional/General comments | In general view of the article:   * Check all the table and figures and kindly incorporated the comments given and the statistical value of LSD 5% or CD value. * I put some comments on the article and incorporate all, then after the article will be perfect and compressive scientific document. | Suggestions were followed. LSD values are already given as C.D. values. |

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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)* | No |