

REVIEWER'S REPORT

Manuscript No.: JNAVES-042

Title: EFFECT OF INTEGRATED NUTRIENT MANAGEMENT ON SOIL FERTILITY AND WHEAT (TRITICUM AESTIVUM L.) PRODUCTIVITY UNDER SEMI-ARID CONDITIONS.

Recommendation:

Accept as it is

Accept after minor revision.....

Accept after major revision

Do not accept (*Reasons below*)

Rating	Excel.	Good	Fair	Poor
Originality		✓		
Techn. Quality		✓		
Clarity	✓			
Significance	✓			

Reviewer Id: JPR-138

Reviewer's Comment for Publication.

The manuscript presents a valuable investigation into the effects of integrated nutrient management (INM) on soil fertility and wheat productivity under semi-arid conditions. The study addresses an important aspect of sustainable agriculture by evaluating the combined use of farmyard manure, chemical fertilizers, and biofertilizers. The objectives are clearly stated, the experimental design (Randomized Block Design) is appropriate, and the results demonstrate that integrated nutrient management significantly improves wheat growth, grain yield, and post-harvest soil fertility. The manuscript is well organized, clearly written, and contributes useful information for sustainable crop production.

The manuscript is recommended for publication after the following minor revisions:

1. Provide more detailed information on the initial soil characteristics, including pH, organic carbon, texture, and available nutrient status before treatment application.
2. Specify the composition and application rates of the recommended chemical fertilizers and the type/strain of biofertilizer used to improve reproducibility.
3. Include measures of variability (standard error or standard deviation), ANOVA summary statistics, LSD values, and significance levels in the result tables.
4. Strengthen the discussion by comparing the findings with additional recent peer-reviewed studies and further explaining the mechanisms responsible for enhanced nutrient availability, soil health, and crop productivity.
5. Expand the limitations by emphasizing that the experiment was conducted during a single growing season at one location and recommending multi-season and multi-location validation of the findings.
6. Carefully proofread the manuscript to ensure consistency in formatting, table presentation, units of measurement, and reference style.

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Overall, the study provides meaningful evidence supporting integrated nutrient management as an effective strategy for improving wheat productivity and soil fertility under semi-arid conditions. After addressing the above minor comments, the manuscript will be suitable for publication.