

Review of: "Uptake of ¹⁵N-urea and phosphates in *Triticum aestivum* with *Pseudomonas putida* and *Rhizophagus irregularis* endophytes of calcareous soil weeds"

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Potential competing interests: No potential competing interests to declare.

Review of article : Uptake of ¹⁵N-urea and phosphates in *Triticum aestivum* with *Pseudomonas putida* and *Rhizophagus irregularis* endophytes of calcareous soil weeds

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Notes:

In general, the topic of this paper is of utmost importance, as it contributes to solve some of the major problems affecting the fertility and suitability of agricultural soil for activity. Therefore, it is essential to disseminate this type of research.

The author should review the following points:

- The language of the article is very weak, which has affected the meaning of the writing and the coherence of the sentences (especially abstract and results section). Thus, a complete and precise rephrasing of the article is necessary.
- The title needs improvement: Uptake of ¹⁵N-urea and phosphates by *Triticum aestivum* inoculated with endophytes : *Pseudomonas putida* and *Rhizophagus irregularis*, in calcareous soil weeds.
- It is better to restructure the introduction and dedicate a section to introduce the nature and role of endophytes in the subject.
- Regarding the methods and techniques section, in isolating *Pseudomonas*, the identification process must be completed and verified through biochemical tests and microscopic examination. This step is essential.
- In Material &Method/ Labeling of *Pseudomonas putida* on *Triticum aestivum* in the field conditions. The method used does not demonstrate the effectiveness of this bacterium in the field environmental conditions as the title suggests. It is specialized in tolerating some pathogenic biological agents only. Therefore, I recommend changing the title and the context of the text.
- In Material &Method/ Detection of acid and alkaline phosphatase in *T. aestivum* inoculated with *P. putida* and *R. irregularis*. :Use the word " solubilize phosphorus" instead of " solubilize phosphatase" in the paragraph.
- In Results section : Use the term "root uptake" instead of "root uptake."

