

Review Form 1.6

Journal Name:	Asian Journal of Soil Science and Plant Nutrition
Manuscript Number:	Ms_AJSSPN_94226
Title of the Manuscript:	Effect of nitrogen level on growth, yield attributes and yield of hybrid varieties of rice (<i>Oryza sativa</i> L.)
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalajssp.com/index.php/AJSSPN/editorial-policy>)

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PART 1: Review Comments

	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)
Compulsory REVISION comments	<p>The manuscript describes an experiment testing different concentrations of nitrogen in four varieties of rice. While this is an interesting theme and would make a nice paper for the AJSSPN, the general structure of the work makes it few scientific, and I do not recommend it for publication without quite refinement.</p> <p>Abstract</p> <p>A justification for the experiment is missing. Before announcing the experiment, I would advise composing a sentence outlining its significance.</p> <p>Try to not write words from any other language than English. I don't know what "Kharif" means.</p> <p>The way which what the results are shown in the abstract is confuse. I took some time to understand, and I strongly suggest that you rephrase it to simplify.</p> <p>Introduction</p> <p>There are many parts in which the writing sounds like a discussion, and a strong theoretical foundation is missing. Besides, although the section highlights the importance of nitrogen for the rice plant, it does not explain why the experiment performed was important.</p> <p>"It is a grain plant belonging to the family Poaceae and genus Oryza with chromosome number = 24."</p> <p>What is the relevance of the number of chromosomes in the plant for this study? Where did you get this information?</p> <p>"Rice cultivation in India is predominantly practiced under transplanting method that involves raising, uprooting and transplanting of seedlings. This technique requires continuous ponding of water."</p> <p>A citation is missing.</p> <p>"The slogan "Rice is life" is most appropriate for India"</p> <p>Is this really necessary?</p> <p>"this crop plays a vital role in our national food security and is a means of livelihood for millions of rural households."</p> <p>Ok, but again a citation is missing</p> <p>"This has to be done against the backdrop of declining natural resource..."</p> <p>What has to be done?</p> <p>"Among the available technological options to enhance rice production and productivity, hybrid rice is the most practically feasible and readily adoptable technology."</p> <p>Where did you get this information? If you don't cite your statements, they come out of the blue.</p> <p>"Nitrogen is major input for higher productivity of rice. Among the essential nutrients, nitrogen (N) is the major essential element which is required in large quantities for rice crop."</p> <p>Again, you need to tell where you got this information.</p> <p>"The most limiting nutrient in irrigated rice is nitrogen and N recovery efficiency is only about 25-40% of applied N in most farmers'</p>	

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	<p>fields.”</p> <p>Citation</p> <p>“Nitrogen is one of the most important plant nutrients and plays a vital role in plant photosynthesis and biomass production. Increasing panicle numbers in per unit area is the main factor of yield increment as a result of nitrogen application (Bindra <i>et al.</i> 2000; Laroo and Shivay 2011).”</p> <p>You should move from the broad to the specific. I think it should be before you write about the importance of nitrogen for the rice plant.</p> <p>Material and methods</p> <p>The description of the methods is vague. They did not explain how they evaluated the efficiency of nitrogen doses or the statistical analyses they used.</p> <p>The sources for information on local characterization are lacking. Again, you must explain where you obtained these details.</p> <p>Results and discussion</p> <p>I find it hard to follow the results and conclusions in this study without statistical values. It makes all work sounds few scientific.</p>	
Minor REVISION comments		
Optional/General comments		

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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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