

Review Form 1.7

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_98697
Title of the Manuscript:	Response of Nitrogen and Zinc on Growth, Yield and Economics of Sorghum (Sorghum bicolor 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.journalijpss.com/index.php/IJPSS/editorial-policy>)

Review Form 1.7

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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ul style="list-style-type: none"> • The fifth most important cereal crop, sorghum, is supposed to be the dietary staple food of more than 500 million people in 30 countries besides being one of the few robust crops that can acclimatize well to forthcoming climate change conditions, predominantly drought, soil salinity and high temperatures. • It has been elucidated that Nitrogen is a very vital constituent of cellular components. Alkaloids, amides, amino acids, proteins, DNA, RNA, enzymes, vitamins, hormones, and many other cellular compounds contain Nitrogen as one of the elements. • Additionally, Zinc exerts a great influence on elementary plant life processes, such as nitrogen metabolism and uptake of nitrogen and protein quality; photosynthesis and chlorophyll synthesis, carbon anhydrase activity; resistance to abiotic and biotic stresses, and protection against oxidative damage. Also, Zinc is known to be the chief component of the ribosome, crucial for their development. • Yes, the title of the manuscript is suitable enough. • Yes, the abstract written is comprehensive. • Yes, they are appropriate enough depicting the general sub-sections viz., Abstract, Introduction, Materials and Methods, Results and Discussion and Conclusion as well. In addition, the statistical analysis has been carried out using Analysis of variance technique. • The study opined that an adequate supply of Nitrogen is related to dynamic vegetative growth and deep green color. • Furthermore, Zinc deficiency symptoms comprise small leaves, and shortened internodes thus stunting the plant growth, leading to meager fodder qualities. • Thus, the research study demonstrated that the growth and yield attributing parameters along with the Economics viz., Gross return (INR 1,46,993.65), Net return (INR 99,186.03) and Benefit-cost ratio (2.08) were found higher in the treatment consisting of 3 levels of Nitrogen and 3 levels of Zinc. • The references are adequate and recent enough. 	
<p>Minor REVISION comments</p>	<ul style="list-style-type: none"> • Abstract, 3rd line: of the experimental; 8th line: revealed that the application -add an article. • Add a hyphen in the word "Benefit-cost ratio", wherever mentioned. • Keywords: make it a single word. • Introduction, 4th line; In-remove this preposition. • Pg. no.2, 3rd line: tolerate hot and dry conditions-fix the agreement mistake. 	

Review Form 1.7

1. Is language/English quality of the article suitable for scholarly communications?	<ul style="list-style-type: none">• Pg. no. 2, 1st paragraph, meager amount of fertilizer applied. -add a full stop after completion of the sentence.• Pg. no.5, 3rd line: resulted in a significant- add an article.• Pg. no.5, last paragraph, last 3rd line: These results -Correct your spelling and fix the agreement mistake.• The usage of the English language is appropriate and fairly suitable for scholarly communications.	
Optional/General comments	<ul style="list-style-type: none">• However, the manuscript has been succinctly described, remarkable, and well-presented with the associated statistical approach.• The data recorded during the investigation was subjected to statistical analysis by "Analysis of variance technique". The significant and non-significant treatments effects were adjudicated with the help of 'F' (variance ratio) table.	

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:

Name:	Asma Jabeen
Department, University & Country	Indian Institute of Rice Research, Osmania University, India