

Review Form 1.7

Journal Name:	Journal of Scientific Research and Reports
Manuscript Number:	Ms_JSRR_116355
Title of the Manuscript:	Studies on Nutrient uptake, Nutrient use efficiency and water productivity of Drip irrigated Ratoon Sugarcane as influenced by water soluble fertilizers
Type of the Article	Original Research Article

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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)
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> Is the manuscript important for scientific community? (Please write few sentences on this manuscript) Is the title of the article suitable? (If not please suggest an alternative title) Is the abstract of the article comprehensive? Are subsections and structure of the manuscript appropriate? Do you think the manuscript is scientifically correct? Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>Content and Structure:</p> <p>The manuscript provides a detailed analysis of the effects of different concentrations of water-soluble fertilizers (WSF) on nutrient uptake and efficiency in ratoon sugarcane. It is well-structured, encompassing an introduction, methods, results, and a conclusion. The study is conducted in a rigorous scientific manner, and the results are clearly presented in tables and figures.</p> <p>Strengths:</p> <p>Relevance and Timeliness: The research addresses the critical agricultural need for efficient water and nutrient use, especially in water-scarce regions.</p> <p>Experimental Design: The randomized complete block design enhances the reliability of the findings, and the extensive data collection adds depth to the study.</p> <p>Detailed Data Presentation: The manuscript successfully integrates detailed tables and figures that illustrate the findings, enhancing the clarity of the results.</p> <p>Areas for Improvement:</p> <p>Clarity and Readability: While the data is comprehensive, the manuscript could benefit from clearer explanations of the results and a streamlined presentation to enhance readability.</p> <p>Discussion Depth: The discussion could be expanded to compare these findings more extensively with previous studies, discussing any discrepancies and the implications of these results in a broader context.</p> <p>Methodological Details: More detailed descriptions of some methods, such as the specific techniques used for nutrient analysis, would enhance the reproducibility of the study.</p> <p>Recommendations:</p> <ul style="list-style-type: none"> Enhance Clarity of Presentation: Simplify the presentation of complex data and clarify the statistical analysis to make the findings more accessible to a broader audience. Expand the Discussion: Provide a more thorough comparison with existing literature to situate this study within the broader research field. This could involve a more detailed analysis of the mechanisms behind observed results. Improve Methodological Descriptions: Include more comprehensive descriptions of the chemical analyses and any computational models used, to enhance the manuscript's utility to future researchers. <p>Scientific Merit:</p> <p>The study is significant, offering valuable insights into optimizing fertilizer use in sugarcane cultivation through drip fertigation systems. This research could potentially lead to more sustainable agricultural practices in similar climatic regions</p>	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> Is language/English quality of the article suitable for scholarly communications? 		

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

Reviewer Details:

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