

Review Form 3

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_122117
Title of the Manuscript:	Increasing nitrogen use efficiency through leaf colour chart based nano urea fertilization in sweet corn
Type of the Article	Original Research Article

Review Form 3

PART 1: Review Comments

<u>Compulsory</u> REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</p>	<p><input type="checkbox"/> The field experiment successfully demonstrated that foliar application of nano urea, guided by the leaf color chart, significantly enhances nitrogen use efficiency in sweet corn, ensuring optimal nutrient uptake and sustained soil fertility.</p> <p><input type="checkbox"/> By tailoring nitrogen fertilization based on real-time crop needs, the study achieved both improved productivity and soil health, highlighting the effectiveness of precision agriculture practices in managing nutrient application.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>The title is clear and effectively conveys the main focus of the research.</p>	
<p>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</p>	<p>Yes abstract is perfect, no changes required .</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>yes</p>	
<p>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</p>	<p>This manuscript demonstrates scientific robustness and technical soundness for several reasons. The study addresses a significant issue in agriculture—optimizing nitrogen use efficiency (NUE) in sweet corn cultivation by using a leaf color chart (LCC) for guided nano urea fertilization. The experimental design is comprehensive, employing a randomized block design with multiple treatments and replications, ensuring reliable and statistically valid results. Additionally, the findings are clearly linked to the research objectives, showing that LCC-based nano urea applications can enhance NUE while maintaining soil fertility. The use of multiple years of data (2022 and 2023) also adds to the reliability and validity of the conclusions drawn, making the study scientifically robust.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>yes</p>	
<p><u>Minor</u> REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>Yes</p>	
<p><u>Optional/General</u> comments</p>	<p>The is clear and informative, effectively conveying the main focus of the study. It highlights the key aspects: the objective of improving nitrogen use efficiency, the method used (leaf colour chart-based nano urea fertilization), and the crop involved (sweet corn).</p>	

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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>	

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