

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_96038
Title of the Manuscript:	Optimizing the methods and schedule of fertilization escalated nutrient uptake, nutrient use efficiency and dry matter yield of sugarcane (<i>Saccharum officinarum</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.journalijecc.com/index.php/IJECC/editorial-policy>)

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"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. 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>Optimizing the methods and schedule of fertilization escalated nutrient uptake, nutrient use efficiency and dry matter yield of sugarcane (<i>Saccharin officinarum</i> L.) Abstract: A field study was performed at Regional Research Station, Uchani (Karnal) of CCS Haryana Agricultural University, Hisar, India during 2020-21 to ascertain the role of precision nutrient management in enhancing nutrient availability to plants by amending the schedule and method of N and K fertilization in spring planted sugarcane (<i>Saccharin officinarum</i> L.) crop under wide spacing (120 cm). The experiment was devised under split plot design with three replications. The main plot treatments consisted of two methods of fertilizer placement (B1-broadcasting and B2-band placement) while sub plot treatments included four schedules of application of recommended dose of N and K (RDN+RDK) in five splits (T1), six splits(T2), seven splits (T3) and T4 (RDN in three splits, full dose of P and K at planting). All the main and sub plot treatments showed a remarkable influence on nutrient uptake(kg ha⁻¹), partial factor (kg kg⁻¹) productivity, dry matter accumulation(t ha⁻¹) and plant macro-nutrient content. B1 and T1 among main and sub plot treatments respectively lead to greater nutrient uptake, partial factor productivitie of NPK and highest dry matter yield. Key words: Split application, band Placement, nutrient uptake, dry matter, partial factor productivity</p> <p>The title is related to our journal framework</p> <p>The entire manuscript must first be adjusted to the exact format of the journal.</p> <p>The abstract should be brief and useful. Rewrite the introduction. Literature review means what studies have been done on the topic and what are you saying now. All the equations must be numbered and then their references should be mentioned. All of them should be mentioned in the text. The research method and data collection method should be clarified.</p> <p>References should be written based on APA and powered. Research limitations and suggestions for further studies should also be presented.</p>	

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	The all text should be correction about grammar mistakes	
Minor REVISION comments		
1. Is language/English quality of the article suitable for scholarly communications?		
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>	

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