

Review Form 1.6

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_93009
Title of the Manuscript:	Customized Fertilizer: A Key for Enhanced Crop Production
Type of the Article	Review 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>)

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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
Compulsory REVISION comments	<p>ABSTRACT</p> <ol style="list-style-type: none"> 1. Clear problem statement. The objective of this research paper is to obtain a new feature of customised fertiliser based on necessity, production, standards, and long-term prospects. 2. The findings couldn't be found here as well. (Need to insert the main findings after reviewing all articles) <p>INTRODUCTION</p> <ol style="list-style-type: none"> 1. Page 2, line 4, (How can a cited reference as Anonymous, 2019?) 2. A large portion of the required increase in food grain production must be achieved by improving productivity per unit area because there is little chance of any additional expansion of the area under cultivation beyond the current 142 million hectares. (Need to rephrase, the sentence not clear. The required what?) 3. The benefits of customised fertilisers are well-explained. 4. Page 3, Customized Fertilizers are produced using a systemic granulation method with strict quality controls (Any standard to follow for this quality control? If yes, need to insert and cited the reference here.) 5. Page 3, Application The goal of the customized fertilizer is to offer site-specific nutrient management in order to achieve the highest possible fertiliser use efficiency for the given nutrient in a financially viable way in order to create customized fertilizers that are suitable for particular crops and soil types, major ingredients like Urea, Diammonium phosphate (DAP), and Potash are combined with micronutrients like Sulphur, zinc, and boron. (Please remove Application) 6. Page 3, by using Integrated Soil Fertility Management (ISFM) as a tool to boost fertilizer effectiveness for improved profitability of small holder farmers in India. (Need to cite reference) <p>How to arrive at fertilizer recommendations (What are the authors trying to mention here? Need to rewrite)</p> <ol style="list-style-type: none"> 1. The steps to create customized fertilizers are as follow <ul style="list-style-type: none"> ❖ Geo-referencing of selected area. ❖ Identifying sampling points on proper statistical procedure. (Need to explain the procedures that involved) ❖ Collecting samples from the sites. ❖ Analyzing soil, plant and water samples for nutrients and some soil characteristics. (the methods used in analyzing, the measurement parameters?) ❖ Defining management zones. ❖ Yield targeting in major management zones. ❖ Estimating crop removal of nutrients. ❖ Calculating nutrient requirement (amount and ratio). (Equations used) ❖ Blending of nutrients based on the generated information 	

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	<p>Role of customized fertilizers in SSNM (change to Role of customized fertilizers in Site-Specific Nutrient Management (SSNM))</p> <p>1. Page 5, the Fertilizer Association of India (FAI) is recommending precise specifications (need to cite the reference)</p> <p>The rest are okay.</p> <p>CONCLUSION</p> <p>1. After reviewing 22 articles, what are the main findings? Not clear</p>	
Minor REVISION comments	<ul style="list-style-type: none"> . 9/22 (40.9% of references are up to date) . For review article, 22 articles are not enough to finalize or conclude something. Need to add at least 10 more related articles. . The findings are not clear. 	
Optional/General comments	There must be a paragraph to explain about the layout of the paper. Can put it in the last paragraph of introduction.	

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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