

Review Form 1.7

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_104727
Title of the Manuscript:	Effect of different rate and time of nitrogen application to sweet corn (<i>Zea mays L. saccharata</i>) under south Gujarat condition
Type of the 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>)

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><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>The article is original and includes important issues and analyzes the effect of different rate and time of nitrogen application to sweet corn under south Gujarat condition. Plant population, growth parameters, yield parameter, green fodder yield, harvest index, effect on economics and interaction effect on growth of sweet corn were studied.</p> <p>It is interesting and deserves attention!</p> <p>This research is unique in because studies on about the use and economic importance of sweet corn and unavailability of appropriate production technologies and of knowledge are the major constraints for its popularization among Indian maize growers. As far as South Gujarat is concerned, there is an adequate possibility that production of sweet corn can be taken as a substitute to paddy because of the availability of irrigation water and sweet corn being a short duration crop; it is best suited in existing cropping systems after "Kharif" rice.</p> <p>The article is structured correctly and written in a good style, and the terminology used is correct. From the literature review, which includes 14 literature sources, it is clear that the author knows well the state of the problem, from which he correctly formulates the main goal and objectives of the study. The results of the experiments are presented on 13 pages and are illustrated with 2 tables, consistent with the specifics of specific indicators, as well as the large number of studies reflected in the methodology of the article.</p> <p>The obtained results are interpreted correctly, and the methodology used is adequate to the set tasks. A very good statistical processing of the data has been made, which allows making reliable and substantiated conclusions.</p> <p>This work reveals that plant growth and higher grain yield depends on adequate fertilizer application at right time in particular, nitrogen. The inadequate management of nitrogen (N) is considered a major limiting factor for maize grain yield. For diversification and getting more valuable crops, presently greater emphasis is being given on cultivation of sweet corn to augment the income of farming community dwelling in the outskirts of big cities and metropolis.</p>	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> Is language/English quality of the article suitable for scholarly communications? 	<p>The language quality of the article is suitable for scholarly communications.</p> <p>The exact terminologies and assay names used in the study were used</p>	
Optional/General comments		

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PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
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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