

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_99840
Title of the Manuscript:	Impact on Yield Attributes and Yields of Groundnut Varieties under Different Sowing Windows in Western Maharashtra
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>)

Review Form 1.7

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><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> 1. This manuscript is important for scientific community since it deals with the research of parameters involved in the production of a food plant species, seeking to find the best growing conditions. Thus, the results present economic and social impacts. 2. The title "Impact on Yield Attributes and Yields of Groundnut Varieties under Different Sowing Windows in Western Maharashtra" should avoid the repetition of the word yields. 3. The summary is not very easy to understand. Some language mistakes (such as absence of verbs and very long sentences) make it very difficult to understand. 4. The results are presented, but few of them were discussed. In addition, only 4 of the groups of results had cited data from the literature that could help in the discussion of the hypotheses that could support them. I think that the results could be discussed better. 5. There are only nine references, and these are so old. The newest reference is from 2009 (14 years ago). Thus, the references provided in this manuscript, do not guarantee a consistent review of the topic. There is no referenced information on the state of the art of this topic at present. <p>" It is the 13th most important food crop and 4th most important oilseed crop of the world." It is mandatory provide this information with an actual reference (last 5 yrs).</p> <p>Groundnut varieties whose growth cycle is longer than the duration of growing season at a particular location either fail to mature or mature at a time when soil is too hard to dig the pods, Low temperatures retard germination and growth of plants and lengthens flowering. High temperatures of 35 °C result in good performance in terms of length of the stem, number of flowers and number of pods. Maximum number of pods will be at mean temperature of 23 °C. Temperature above 35 °C inhibits the growth of groundnut. Optimum mean daily temperature to grow is 30 °C and growth ceases at 15 °C. For rapid emergence, soil temperature above 21 °C is required. Groundnut is grown in areas receiving 600 to 1500 mm of rainfall. Sowing, flowering and reproductive phases require an average rainfall distribution of 100, 150 and 400-500 mm, respectively. Moisture stress during vegetative period delays flowering, pod setting and results in low yields. High atmospheric humidity stimulates more flowering which results in increased peg setting. Pod development stage is most sensitive to moisture deficit. The choice of a groundnut variety for any particular area depends on matching the variety with the length of the growing season. Therefore, the investigation is carried out to study the impact of yield attributes and yields of groundnut varieties under different sowing windows in Western Maharashtra Plain Zone. You should provide reference for these information.</p>	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> 1. Is language/English quality of the article suitable for scholarly communications? 	<p>I would suggest the authors to provide a review with a native English reviewer.</p>	
<p>Optional/General comments</p>		

Review Form 1.7

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>	

Reviewer Details:

Name:	Esther Maria Ferreira Lucas
Department, University & Country	Centro Federal de Educação Tecnológica de Minas Gerais, Brazil