

Review Form 1.7

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_100011
Title of the Manuscript:	Effect of different treatment modules on seed yield and quality in African marigold (<i>Tagetes erecta</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:

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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 mandatory that authors should write his/her feedback here)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>The yellow flowers of <i>Tagetes erecta</i> are the source of two food-colourant products: 'marigold meal' and 'marigold extract'. The marigold meal consists of dried powdered flowers and is used mainly in poultry feed to enhance the meat's yellow colour and egg yolks.</p> <p>Since prehispanic times, this plant has been used for medicinal purposes. The Cherokee used it as a skin wash and for yellow dye. The pigments of the erect <i>tagetes</i> are due to the presence of carotenoids, of which the main one is lutein, which is associated with the prevention of the development of age-related eye diseases such as cataracts and macular degeneration. The most intense orange tones of the flowers are related to a higher content of carotenoids, especially xanthophyll. Some studies indicate the latter's effectiveness in preventing coronary artery disease, heart attacks, immune response, old age and cancer. In some regions of Mexico, it is used for digestive ailments, such as stomach pain, diarrhea, colic, liver problems, bile, vomiting, and indigestion. The plant also has a history of use against intestinal parasites and worms, with one study indicating that it has a different mechanism than the anthelmintic drug levamisole. Other uses include respiratory diseases such as colds, flu, bronchitis, nasal congestion, and gynecological problems.</p> <p>Antioxidant activity has been discovered in the essential oil of this plant, although less than that of α-Tocopherol, possibly attributable to the presence of camphor and methyl eugenol. It is most effective against the nematode species <i>Pratylenchus penetrans</i>.</p> <p>yes</p> <p>to some extent.</p> <p>They should be set according to the guidelines of journal authors.</p> <p>It requires review and statistical reports.</p> <p>In the material and method section:</p> <ul style="list-style-type: none"> - The characteristics to be examined should be fully described, and their measurement methods should be specified and referred to related references. - There is a need for statistical tables and statistical comparison and specifying the standard error and analysis of variance in each treatment. - M, Y and M x Y in the tables must be defined. <p>References should be corrected and standardized according to the authors' guide.</p> <p>The article should be reviewed and rewritten in terms of writing.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Not. The manuscript needs literary, grammatical, and scientific editing (Poor English). It should be seriously revised.</p> <p>Correctness: very weak, Clarity: A bit unclear. Engagement: A bit Bland</p> <p>Refer to the attached file.</p>	
<p>Optional/General comments</p>		

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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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