

Review Form 1.7

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_108769
Title of the Manuscript:	Evaluation of performance of Turmeric (<i>Curcuma longa</i> L.) varieties in Dharmapuri district of Tamil Nadu
Type of the Article	Original Research Article

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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> <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 manuscript important for scientific community</p> <p>Turmeric is an important spice crop cultivated in various states of India and Tamil Nadu is one of the leading producers of Turmeric. Though there are various factors affecting productivity, choice of varieties was one of the important factors among them. On farm trials were conducted to study the performance of Turmeric varieties viz. BSR 1, BSR 2, CO 2, Allepey Supreme, PTS 10 and Roma at Krishi Vigyan Kendra, Papparpatty of Dharmapuri district. The experiment was conducted in randomized block design with three replications. The yield data revealed that there was significant variation among the turmeric varieties in various growth and yield determining parameters. Among the varieties CO 2 performed better than the other varieties with highest yield per plant (468.99 g), cured rhizome yield per hectare (6.82 tonnes/ha) followed by BSR 2. The results of the study show that CO 2 performed better in Dharmapuri district when compared to other varieties and hence can be preferably recommended to the farmers for better yield. The yield attributing factors viz. plant height, leaf size, weight of mother rhizome, weight and number of primary and secondary fingers are positively correlated with the yield per plant and hence can be used as criteria for varietal selection.</p> <p>The title of the article is suitable.</p> <p>The abstract of the article is comprehensive.</p> <p>Subsections and structure of the manuscript appropriate.</p> <p>The manuscript is scientifically correct.</p> <p>References sufficient and recent.</p>	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> Is language/English quality of the article suitable for scholarly communications? 	<p>English quality of the article suitable for scholarly communications.</p>	
<p>Optional/General comments</p>	<p>.. was one of the important factors among them.</p> <p>... also reported that the production growth rate is only 3.37 compared to the area growth rate which is 6.30.</p> <p>Dharmapuri district belongs to the tropical region and receives an annual</p> <p>Turmeric is proven to be an efficient antimicrobial agent from time immemorial and has lot of scientific proof.</p> <p>Abeynayaka et al. (2020) reported that lack of knowledge on agricultural practices and non availability of labour as key reasons which affect turmeric productivity.</p> <p>The girth of mother rhizomes were was highest in Roma (22.19 cm)</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>	

Reviewer Details:

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