

Review Form 3

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| Journal Name: | Journal of Experimental Agriculture International |
| Manuscript Number: | Ms_JEAI_126286 |
| Title of the Manuscript: | Yield enhancement of Bt cotton through canopy management under rainfed condition |
| Type of the Article | Original Research Article |

Review Form 3

PART 1: Review Comments

| Compulsory REVISION comments | Reviewer's comment | Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i> |
|---|--|---|
| <p>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</p> | <p>Cotton (<i>Gossypium hirsutum</i> L.) is a subtropical, perennial plant of the Malvaceae family with an indeterminate growth habit, meaning, the vegetative and reproductive growth overlaps with each other. Cotton production is of paramount importance in India due to its significant impact on various aspects of the country's economy, agriculture and society. Whereas, the area also increases significantly at a rate of 0.72 per cent annually. Despite the increasing area under cotton cultivation, India still lags behind by 38 ranks in terms of productivity. Out of various challenges faced by the cotton farmers, few of the most concerning factors are fruit abortion, flower and boll shedding, delayed maturation, boll rot and harvesting challenges. One amongst the various reasons for these, is the excessive vegetative growth which diverts the photo assimilates to the vegetative parts rather than the economic reproductive parts. The current manuscript exactly addresses the current problem along with inclusion of the cutting edge technology of Plant Growth regulators.</p> | |
| <p>Is the title of the article suitable? (If not please suggest an alternative title)</p> | <p>The title of the article is apt and to the point</p> | |
| <p>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</p> | <p>The abstract of the manuscript is crisp and to the point.</p> | |
| <p>Are subsections and structure of the manuscript appropriate?</p> | <p>The sub sections and structure of the manuscript is well formed and detailed.</p> | |
| <p>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</p> | <p>The present study of canopy management is very pivotal in the present scenario. The usage of plant growth regulators like Mepiquat chloride is laudable. The scientific data to my knowledge is appropriate and seems to be right.</p> | |
| <p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p> | <p>References are sufficient, however, references for PGRs and other parameters could have been of recent past.</p> | |
| <p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p> | <p>The quality of the language is suitable and appreciable. Minor mistakes are suggested to be corrected. However non correction of the mistakes cannot undermine the merit of research work.</p> | |
| <p>Optional/General comments</p> | <p>The current manuscript addresses the right problem in hand. The title and the information found to be appropriate. It is suggested to include the disadvantages of the negative effects of increased vegetative growth more in the introduction. It is also suggested to acknowledge the readers more about the PGR used and functioning pattern.</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> |
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| 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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| Department, University & Country | Annamalai University, India |