

## Review Form 1.7

Journal Name:	<b>International Journal of Environment and Climate Change</b>
Manuscript Number:	<b>Ms_IJECC_104250</b>
Title of the Manuscript:	<b>Optimization of Operational Parameters for Tractor-Operated Boom Sprayer for Field Crops</b>
Type of the Article	<b>Original Research Article</b>

### **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><b>Compulsory</b> 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><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1. The manuscript is scientifically significant in the spraying field.</p> <p>2. The title is appropriate for the article's content.</p> <p>3. The abstract provides comprehensive information. There should be a standard format for writing the unit "kg cm-2" and "kg.cm<sup>-2</sup>".</p> <p>4. In the Introduction, the monetary losses are listed in Dollars, but they can also be listed in Rupees.</p> <p>5. On two different places in Table 1, power is given in kW and HP. The same unit should be used for both power sources.</p> <p>6. In appropriate cases, define "Swath Width" and "Overlap".</p> <p>7. Figure 3 does not indicate the unit for the dimensions. The figure should be labeled and the various components should be mentioned in the drawing.</p> <p>8. It is recommended that Section 3.1 "Effect of operating parameters on sprayer performance" be added after Section 3.3 "Determination of composite optimum combination of operational parameters". A statistical analysis should be presented before a graphical analysis.</p> <p>9. A uniform way to write the unit "L min<sup>-1</sup>" is to write it as "l.min<sup>-1</sup>".</p> <p>10. The significance of different letters in Table 5 needs to be explained.</p>	
<p><b>Minor</b> REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	Yes	
<p><b>Optional/General</b> comments</p>	The manuscript can be accepted for publication after modifications to the reviewer's comments	

### PART 2:

	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)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	

### Reviewer Details:

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