



**SDI Review Form 1.6**

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|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Journal Name:            | <a href="#">Journal of Agriculture and Ecology Research International</a>                                                                                    |
| Manuscript Number:       | Ms_JAERI_44015                                                                                                                                               |
| Title of the Manuscript: | Efficacy of Selected Biopesticides and Botanical Extracts in Managing Rice Stem borer, <i>Chilo partellus</i> (Swinhoe) (Lepidoptera: Crambidae) in Tanzania |
| 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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

**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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Compulsory</b> REVISION comments | <ul style="list-style-type: none"> <li>Cypermethrin insecticide active ingredients have even been shown to be more deadly to natural enemies than to pests themselves. Second, the application of insecticides at high doses but not really killing pests causes what is called a "hormesis", a condition in which pests that survive experience a "physiological awakening": their age becomes shorter (faster life cycle) and female ratio towards higher males. This hormesis phenomenon triggers pest regeneration to be faster and higher in population. insecticides used in research causes brown planthopper to increase in population. so you need to pay attention to the application time.</li> <li>pest behavior can be added from the beginning of treatment until death is distinguished by type of treatment.</li> </ul> | <ul style="list-style-type: none"> <li><b>Effects of Cypemethin to natural enemies:</b> The Synthetic insecticide (Cypermethrin) used in this experiment was just used as check and not for recommendation as one of control option under field condition. The fungi based biopesticides and botanical extracts were recommended to be used which has no effect to natural enemies</li> <li><b>Change of pest behaviour/brown plant hopper:</b> The experiment was conducted in controlled environment (Screen house) where there is insect barrier. Therefore we didn't expect infestation by brown plant hoppers hence no "hormesis" of this insect or change pest behaviour due to the active ingredient from Cypermethrin insecticide.</li> </ul> |
| <b>Minor</b> REVISION comments      | the formula used is further clarified fonts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <ul style="list-style-type: none"> <li>The font size for all formula adjusted from 12 to 10.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Optional/General</b> comments    | the writing and data presented are good and representative                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Ok                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

**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) |                                                                                                                                                                               |