Response to Reviewer 1 Comments

1. Summary

Thank you very much for taking the time to review this manuscript. Please find the detailed responses below and the corresponding revisions/corrections highlighted in the re-submitted files.

3. Point-by-point response to Comments and Suggestions for Authors

Comment 1: Lines 58-59. Clarify the loss of what, since it could be plants, bean production, flowers, etc

Response: We thank the reviewer for noting the skipped words. We have corrected that by adding the missed words (Page No 2, paragraph 1, Line 59 in revised version)

Comment 2: General information on the influence of soil conditions on the development of pathogenic insects, even if not the insect species used in this article, could be included in the introduction, perhaps from articles such as:

Klingen I, Eilenberg J, Meadow R. *Agriculture, Ecosystems & Environment 91*, no. 1-3 (2002): 191-198.

Sun B, Liu X. *Applied Soil Ecology 39*, no. 1 (2008): 100-108.

Response: We thank the reviewer recommending the articles on the influence of soil condition on the development of pathogenic insects. We have reviewed the literature and done improvement on introduction section (Page No 2, Paragraph 2, line 68)

Comment 3: In seed preparation, it´s not indicated whether they were disinfected before being covered with the leaf paste.

Response: Thank you for pointing this out. Seeds were not disinfected before being covered with the leaf paste.

Comment 4: Lines 158-161. Although soil sterilization is focused on eliminating pathogens, it also eliminates beneficial microorganisms. I consider that this mention could be made.

Response: Thank you very much for the keen observation. Effect of soil sterilization on beneficial microorganisms have been mentioned (Page No 4, paragraph 3, lines 175-177).

Comment 5: It is convenient to mention the molecular methods used for *Fusarium oxysporum*. f.sp. *phaseoli i*dentification.

Response: Thank you for the observation. Molecular method used for *Fusarium oxysporum*. f.sp. *phaseoli i*dentification has been mentioned (Page No 3, paragraph 2, Lines 123-125).

Comment 6: Organisms such as *Fusarium* spp and *Ophiomyia* spp are mentioned in the title, but the particular species *Fusarium oxysporum* f.sp. *phaseoli*, and *Ophiomyia phaseoli* are mentioned in the text of the article. I believe that the nomenclature should be homogenized.

Response: Thanks for this constructive suggestion. Nomenclature have been homogenized as suggested (Page No 1, title, lines 3-4).

Comment 7: Although there have been negative results, I consider it convenient to add a conclusion about the response of the fungus to the presence of plant additives.
Response: Thank you for pointing this out. The response of fungus to the presence of pesticidal plants have been concluded (Page No 15, paragraph 1, Lines 538-540).