

Review Form 1.6

Journal Name:	<a href="#">International Journal of Plant &amp; Soil Science</a>
Manuscript Number:	Ms_IJPSS_88618
Title of the Manuscript:	Biology and population dynamics of two spotted spider mite (Tetranychus urticae Koch) in Cucumber (Cucumis sativus Linnaeus) under protected cultivation
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:

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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)
<b>Compulsory</b> REVISION comments	<p><b>Abstract</b></p> <p>(1) Split sentence 4 into two starting from observations revealed that mite population was significantly increased under closed condition.....</p> <p>(2) The influences of weather parameters on population dynamics of <i>T. urticae</i> were studied under protected condition(complete this sentence by including the appropriate dates - period/year of experiments).</p> <p>(3) “a peak population of mites were observed during the second fortnight of march (16<sup>th</sup> standard meteorological week) and the lowest population was observed during month of November and December”. Does the above statement apply to both protected condition as well as open field condition? Please, specify.</p> <p>KEYWORDS: Consider also, words like; agronomic practices, yield reduction.</p> <p><b>1. INTRODUCTION</b></p> <p>(1) Statement in sentence 2: Authorsshould provide reference if statement was not theirs.</p> <p>(2) Last sentence of PARAGRAPH 3: Authors should split sentence into two starting from “and their population was also persisting under” and recast this last part of the sentence to make for better understanding.</p> <p>(3) Sentence 1 of PARAGRAPH 4:This part serves better as SENTENCE 2 of PRAGRAPH 2.</p> <p>(4) Sentence 2 of PARAGRAPH 4: Join to paragarph 3.</p> <p>(5) Last sentence of INRODUCTION: These statement were made in the past tense and depicts report of work already done. Recast sentence. Also the last sentence of INTRODUCTION should introduce the aim of present research.</p> <p><b>2. MATERIALS AND METHODS</b></p> <p>(1) <b>2.1 Culturing of mites in the Laboratory:</b> This tittle needs to be improved on. Consider “Laboratory propagation of mites”.</p> <p>(2) Last sentence: Authors should provide information regarding equipment and temperature at which transfected leaf discs were mainted for growth, making reference to other authors whose method were adopted. Were the infected discs placed in between wet cotton and left in open or petri dishes with preparations were incubated at 30°C? This is important to safely agree to the adult longevity period reported by author.</p> <p>(1) <b>2.2. Studies on the biology of <i>T. urticae</i>: Sentence 1:</b> If the lab grown mites/mites recovered from previous were confirmed as females before second transfection, authors should state the method. Reference needs to be provided for each protocol.</p> <p>(1) <b>2.4. Population dynamics of <i>T. urticae</i> under protected cultivation:</b>If any parameter (e.g., change in population of mites) was determined using mathematical relation, the formulae should be stated with reference.</p> <p><b>3. RESULTS</b></p> <p>(1) <b>3.1. Biology of <i>T. urticae</i>:</b> In last sentences of the following subsections; egg, larva, protonymph deutonymph,total development period, adult longevity, authors should cite (Table 1). In the subsection ‘Adult’, if still available,, a figure with 4-5 plates showing each stage of growth observed would be a good idea.</p> <p>(1) <b>3.2. Population dynamics of <i>T. urticae</i> under protected condition: Sentence 2; The expression</b> “Their occurrence was recorde weekly intervals” should be corrected to “.....recorded on weekly intervals .....”</p> <p>(2) SENTENCE 2: In the expression “and the lowest incidence was recorded during the entire month of December”, authors should sepicyp the exact year (e.g.,December 2021 or 2022).</p> <p>(3) SENTENCE 2: Authors should put the citation (Table 2) to close the sentence 2.</p> <p>(4) SENTENCE 3: Authors should cite (Table 4) (Figure 1) to close sentence 3</p> <p>(5) SENTENCE 4: Same.</p> <p>(6) SENTENCE 5: Authors should cite (Tables 3 and 4) to close sentence 5.</p> <p>(7) SENTENCE 6: Authors are to cite (Table 5) (Figure 2) to close sentence 6.</p> <p>(8) TABLE 3: Label for the last column of Table 3 is needed.</p> <p><b>4. DISCUSSION</b></p> <p>(1) Authors should complete the last sentence of PARAGRAPH 1.</p> <p>(2) In various sections of this writing, authors made several references/comparisons to population dynamics of mites in open field conditions. Mention is therefore necessary, with references, of researches/results of other authors who had previously worked and produced result with the open field experiments.</p> <p><b>5. CONCLUSION: -</b></p> <p><b>6. REFERENCES</b></p> <p>(1) Reference entries 4 and 7, are incomplete as their sources were not provided.</p>	

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<b><u>Minor</u></b> REVISION comments	(1) Authors should be prudent in numbering the sections. In the section for 'Materials and methods', the numbering 2.2. was followed by 2.4. It is suggested that authors correct numbering in that section. (2) In the returning manuscript, texts highlighted in yellow need to be recasted for clarity. Texts in blue need to be moved to recommended section. Texts/words in red can be removed.	
<b><u>Optional/General</u></b> comments		

**PART 2:**

	<b>Reviewer's comment</b>	<b>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>)</b>
Are there ethical issues in this manuscript?	<u><i>(If yes, Kindly please write down the ethical issues here in details)</i></u>	

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