

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_111977
Title of the Manuscript:	"Assessment of Thiourea Bioregulator Impact on Soil Parameters of Jackfruit (<i>Artocarpus heterophyllus</i> L.) cv. Chandra"
Type of the Article	

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>Compulsory 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>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>No</p> <p>No, It needs to clarify the nature of the treatment "Assessment of Foliar Spraying of Thiourea Bioregulator on Soil Parameters of Jackfruit (Artocarpus heterophyllus L.) cv. Chandra"</p> <p>Yes</p> <p>Some</p> <p>Some</p> <p>No, There are modern methods to estimate nutrients in soil, and references are few</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>yes</p>	
<p>Optional/General comments</p>	<p>The research needs improvement, as there is no benefit in studying the effect of spraying on plants on the characteristics and characteristics of the soil</p> <p>1- What is the desired benefit from studying the effect of spraying a plant with thiourea on soil components and chemical properties, when it is obvious that the effect will be very weak, if not present.</p> <p>2- The research would have been more scientifically beneficial if the effect of spraying with thiourea on the plant, its characteristics and properties, and the resulting crop had been studied.</p> <p>3- Without a doubt, the effect of spraying plants with nutritious materials on soil properties will be a very big challenge to study and know the effects that are produced in the soil by the plant transferring this material sprayed on it through internal reactions that the plant's roots transmit to the soil. However, simply spraying the plant with a specific substance will not cause a fundamental effect and difference in the qualities, characteristics, components of the soil and the proportions of nutrients in it. It is possible to say that the effect will be very weak.</p> <p>4- If the aim of the research was to study the effect of the substance on the soil and its chemical properties, the soil should have been treated directly with the substance under study and not sprayed on the plant.</p> <p>The title is not clear, as it was shown in the Materials and Research Methods section that the research deals with the method of treatment by spraying on plants.</p> <p>The question is what is the real benefit of studying the effect of spraying on the nature and components of the soil? The first thing to do would be to study the effect of spraying treatments on the plant and not on the soil in which the plant is planted.</p>	

Review Form 1.7

	<p>Naturally, the result of this treatment, as I mentioned, will be insignificant on the components and nature of the soil. It should have taken into account the effect of spraying treatments on the plant and not the soil.</p> <p>Chemical and soil analysis should be present in the study; Researcher evaluated (Organic Caron, N, P, K). So the chemical and soil analysis were necessary to be involved.</p> <p>What is the effect of thiourea on the soil and its properties? The effects of thiourea on the plant have not been examined, while the goal of the research is to study the effect of this substance on the soil and its properties by spraying it on the plant.</p>	
--	---	--

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

Reviewer Details:

Name:	Mohamed Taha Zalama
Department, University & Country	Field Crops Research Institute, A. R. C., Egypt