

Review Form 1.6

Journal Name:	Asian Journal of Advances in Agricultural Research
Manuscript Number:	Ms_AJAAR_93579
Title of the Manuscript:	Effect of explant age and exogenously applied IBA on Growth and rooting Potential of apical stem cuttings of potato for Early Generation Seed Potato Production
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)
Compulsory REVISION comments		
Minor REVISION comments	<p>The aim of this work is to study the effect of explant age and exogenously applied IBA on growth and rooting Potential of potato apical stem cuttings for production first generation seed potatoes. The experimental protocol consists in taking apical stem cuttings from potato seedlings at different physiological ages (30 days and 60 days) in interaction with the growth regulator indole-3-butyric acid (IBA) at different concentrations (100 ppm, 200 ppm and 300 ppm) to study the production of potato minitubers. The results of the present study showed that mini-cuttings from young potato plants grown in vitro have a higher rooting capacity than mini-cuttings from mature plants. In addition, IBA concentrations, especially at a higher level, i.e. 300 ppm, have a significant effect on most of the characteristics studied, e.g. root number, shoot length, tuber yield. The data presented in this study may encourage potato growers to use potato stem cuttings as a new, cheaper method of growing potatoes instead of expensive imported seed tubers. It is suggested that the use of apical stem cuttings can be a quick and effective method for mass propagation and to increase the yield of minitubers in the seed potato production cycle.</p> <ul style="list-style-type: none"> - The introduction is well illustrated and rich in information on potato cultivation and its strategic importance in Pakistan, hence the importance of this improvement work - In the experimental part, the author can add an explanatory table of the different IBA doses used, to better understand the protocol - In the results part I suggest adding histograms to each table, in fact the data presented in the form of a figure is better understandable for the reader, in addition the interpretations are easier to draw. the discussions for each parameter studied is not well developed example for Leaf number, Tuber number and average yield... it is necessary to deepen the interpretation by illustrations with targeted and recent references. <p>I recommend the publication of this paper after these modifications.</p>	
Optional/General 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)	

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