



SDI Review Form 1.6

Journal Name:	American Journal of Experimental Agriculture
Manuscript Number:	2014_AJEA_10096
Title of the Manuscript:	Mechanisms Involved in the Lettuce and Celery Transplant Routine
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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SDI Review Form 1.6

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	1. Abstract should be changed to include only treatments, cultivars, and brief aim 2. A brief phrases about chosen cultivars. 3. Why the author has chosen such growth regulators 4. Cell size are preferred over cell numbers in tables and manuscripts 5. The mechanisms of such growth regulators in cell metabolisms should be mentioned 6. Poor scientific interpretations 7. The standard size and physiological aspects of transplants at field transplanting were not mentioned 8. PBZ is drench applied in MM and sprayed in Results 9. The volume and water holding capacity of the media are not mentioned 10. High PBZ are used for seedlings delayed recovery 11. Results and Discussions should be ordered eg. Factor A, Factor B and their interaction finally to attract readers	1. Abstract structure has been performed according editorial suggestions and recent papers published. 2. Information was in the Materials and Methods section (lines 72 to 74). 3. Root restriction imposed by a small plug cell volume affect shoot apex growth (according to our more recent papers). Both BAP and PBZ have been indicated that can control shoot apex too by the available bibliography. 4. We think that cell number (200 or 288) is easier to see for the reader than cell size (6.18 or $13.9 \text{ cm}^3 \text{ cell}^{-1}$). On the other hand, it corresponds with the commercial tray offer. 5. A complete mechanism diagram is unknown (line 390). Although this work included changes in RLA and RGR, a more detailed mechanism requires a different experimental design which is under progress as stated in lines 463 and 464. 6. We are not in agreement with this comment. The fact that a change in temperature base explains differences in fresh weight accumulation during the pre- and post-transplant stage is extremely novelty. On the other hand,



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		this is an exploratory paper which will give, in the future, to a most scientific interpretation of the cell volume, BAP and PBZ relationships. 7. Fresh weight at the transplant stage was shown in Figures 1 and 3 for experiment 2 and 3 respectively. 8. OK, sentences were changed. 9. Media physical properties have been included in materials and methods. 10. It is true. We use and extended range because this information is not currently available. 11. OK. It has been made according reviewer 1.
<u>Minor</u> REVISION comments	This article required some modification and corrections	
<u>Optional/General</u> comments	ARTICLE IS ACCEPTED WITH VERY GOOD LEVEL	