



SDI Review Form 1.6

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	2013_IJPSS_8827
Title of the Manuscript:	Seedling Emergence and Seed Germination of Shepherd's needle (<i>Scandix pecten-veneris</i>) as Affected by Seed Weight and Burial Depth
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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

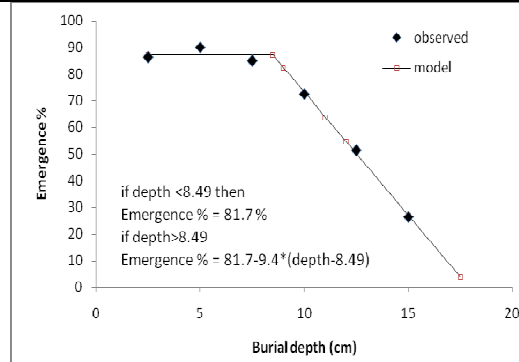


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PART 1: Review Comments

	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)
<u>Compulsory</u> REVISION comments	<ul style="list-style-type: none"> - Cumulative germination and emergence time courses would be helpful for readers to understand differences among treatments. - The table of analysis of variation should be added to the MS. - A failure to emerge can result from insufficient germination (dormancy) or from pre-emergent mortality. As heterotrophic seedling growth in the soil depends on seed reserves, buried seeds in deeper soil layers will require more seed reserves and cannot emerge from a threshold burial depth. And may be secondary dormancy is induced as soil depth increased. You did not examine soil pots for intact seeds by sieving the soil. The seeds remaining in the soil also should be checked for dormancy. - When treatments are quantity, regression analysis is better than means comparisons. I showed a nonlinear regression model as below for your data from table 1, 25 nov, 2008-2009: 	

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<u>Minor</u> REVISION comments	<ul style="list-style-type: none">- Line 62: Seed size classifications should explain in plant material section.- Line 97: Temperature changes should be illustrated in material and methods (fig 3).- Line 104: I prefers LSD test when F is significant.- Discussion should be improved.	
<u>Optional/General</u> comments	<ul style="list-style-type: none">- Why was emergence percentage lower in 2.5 than 5 cm? Discuss in the text.- It was better to test the effect of seed size on seedling emergence from different soil depth.-	

Note: Anonymous Reviewer