



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	American Journal of Experimental Agriculture
Manuscript Number:	2015_AJEA_16669
Title of the Manuscript:	A Rapid Morphological Screening Procedure for Pea Under Drought Stress in Greenhouse Settings
Type of the Article	Short Research Article

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
The work proposes a rapid morphological screening procedure for peas grown under drought stress aiming to provide phenotypic evaluations for further research. The paper is a characterization of drought tolerance of two peas cultivar (Aragorn and Banner) The first is drought sensitive and the second is drought tolerant. Have these genotypes been investigated previously? If, not, I suggest changing the title: A rapid morphological screening of two pea cultivars (Pisum spp) under ... The paper is significantly improved, but I also suggest some modifications: - complete the table 1 with % (as I started in the table) and indicate with symbols, the results of statistic analyses (a, b, c etc.) - Instead of pod length and width, the No. of pod and weight of pod should be presented in table 1. - Fig.2 : for presenting the biomass total production, it should add the pot weight as well. Pots (with seeds) weight is also biomass. Perhaps higher difference could be obtained than in the present form. The conclusion is a brief repetition of the results. It can be shortened.	To the best of our knowledge, the two genotypes have not previously been investigated. We propose this as a procedure to be widely adopted and used to test other cultivars. Hence, we decline the suggestion of removing the wording from the title. All other reviewers preferred Table 1 to be displayed in numeric values as opposed to percentages, so we followed the suggestions/directions of the majority of reviewers. For all statistical results (including symbols), see Table 2. # of pods was added to Table 1 We did not separately measure weight of pods. Total plant biomass was measured with pods attached, to accurately reflect total overall biomass production rates, however, pod weights were not recorded separately. This is due to the fact that the industry standard and desired traits are yield production (average number of seeds per pod and total number of pods per plant) as opposed to seed or pod weight. Again, total weight (including pods) is captured in overall biomass production. The conclusion was shortened. Thank you.