



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_46531
Title of the Manuscript:	The Influence of Irrigation Depths in the Growth of Chrysanthemum, Cultivated in Pots, in a Greenhouse in the Northwest Region of Espírito Santo
New Title:	Influence of Irrigation Depths on the Growth of Chrysanthemum, Cultivated in Pots, in a Greenhouse in the Northwest Region of Espírito Santo
Type of Article:	Original Research Article

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
(1) This aspect has not been properly addressed. The question is how did you determine the amount of water applied, which is the irrigation need. We know irrigation need for any crop can be determined as $ET_c = K_c \cdot ET_o$ It can also be determined using soil moisture monitoring by bringing the soil water to field capacity to field capacity after depletion. Please work on this because it was not mentioned. Unknown or uncalculated amount of water cannot be added to plants just any how. It must be estimated to meet the irrigation need of the crop. The amount drained if any depending on the root depth can now be subtracted from the amount applied. L 114 -117 The crop evapotranspiration (ET_c) was determined daily through six selected pots by the drainage lysimeter method. At the end of the day, a known volume was added in each pot and after the drainage was complete, the stored volume, which corresponds to the crop evapotranspiration (ET_c), could be determined by Equation 2. $ET_c = \frac{A_v - D_v}{A} \quad (2)$ L 114 – 117 Please give a reference. For equation 2 L 114 – 117 How did you calculate the irrigation depth. This information is missing 2) applied volume (L) - drained volume (L) = required volume Because it is a formula of common knowledge, we do not see the need to reference it, in the same way as calculating the irrigation depth: (mm) = (Volume / Pot Area). Please, this formular 'irrigation depth: (mm) = (Volume / Pot Area) is wrong for drip irrigation. You should consider the wetted area instead. What is the wetted area. What is the percentage wetted area. Please I recommend you read these papers to guide you in the design of drip irrigation system (Faloye et al., 2017; FAO (2002) How did you determine the Gross Irrigation Requirement? How did you determine the Net Irrigation Requirement? 3) Information on the soil properties before and after the experiment have not been provided 4)soil moisture content measured has not The paper need total overhauling. For future work, measure the soil properties before planting and after planting And also the soil moisture content	

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