Review Form 1.7

Journal Name:	**International Journal of Environment and Climate Change**
Manuscript Number:	**Ms_IJECC_109502**
Title of the Manuscript:	**Integrated Nutrient Management and Salicylic Acid Boost Quinoa (Chenopodium quinoa Willd.) Yield under Drought Stress at Different Critical Stages**
Type of the Article	**research**

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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 **1. Is the manuscript important for scientific community?** (Please write few sentences on this manuscript) **2. Is the title of the article suitable?** (If not please suggest an alternative title) **3. Is the abstract of the article comprehensive?** **4. Are subsections and structure of the manuscript appropriate?** **5. Do you think the manuscript is scientifically correct?** **6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.** **(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)**	**Yes, the manuscript presents novel research findings** **yes** **yes** **yes** **the author used a split-plot design for their experiment, but they stated that they analyzed the data using a randomized block design. It is important for the author to clarify this discrepancy and provide a clear explanation of which design was actually used.** **Yes**	
Minor REVISION comments **1. Is language/English quality of the article suitable for scholarly communications?**	Some grammatical edits are needed.	
Optional/General comments	**Overall this manuscript is well designed, however several issues need to be addressed.** **MATERIAL AND METHODS** 1. "Main plots are no irrigation at branching stage (M_1), no irrigation at ear formation (M_2), no irrigation at flowering stage (M_3), no irrigation at flowering (M_4), " The phrasing is repetitive. It could be rephrased as "The main plots consisted of no irrigation at branching stage (M1), ear formation (M2), and flowering stage (M3 and M4)" 2. When salicylic acid was applied to plants? 3. how drought stress was determined? 4. When? How did you determine that irrigation is required? 5. The problem associated with the experiment design is that it was carried out as a split-plot design, but it was analysed according to a randomized complete block design. The discrepancy between the experimental design and the analysis method can potentially lead to issues in the interpretation and validity of the results. 6. Moisture deficit stress treatment at different growth stages is separate from STBFR treatments? 7. Autour mentioned that STBFR treatments mitigated drought stress. Please clarify how drought stress is conducted in STBFR treatments. 8. it is not clear Stress Mitigation approaches are relevant to which moisture deficit stages. 9. As this is a field experiment, was there any rainfall from planting to harvesting? If so, how were the drought experimental units fully protected from rainfall?	

Comment [MK1]: The phrasing is repetitive. It could be rephrased as "The main plots consisted of no irrigation at branching stage (M1), ear formation (M2), and flowering stage (M3 and M4)"

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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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