

## **Reponse to Editor**

We thank you, Sir, for your recommendation. The suggested technical corrections have been made, and we are grateful for your valuable feedback. Also, copy-editing was done and all modifications are in red in the manuscript.

### **Topic editor : Pedro Batista**

**L15:** At the Guiring experimental farm [add the location, for example in the Far North Region of Cameroon or in the Sudano-Sahelian zone of Cameroon].

**Answer :** The location "in the Far North Region of Cameroon" was added in line 15.

**L18:** List the treatments.

**Answer:** Dear Sir, treatments were added in lines 19 - 24.

**Abstract:** Delete the sentence: "*The study area presents very favorable climatic conditions for maize cultivation (suitability index of 91.4), with a soil suitability index of 62.4, classifying it as S2sf, which indicates moderate suitability for maize cultivation.*"

**Answer:** The sentence was deleted

**L26–30:** Remove decimal values.

**Answer:** The decimal values were removed in lines 30-32.

**L37:** Delete "essential."

**Answer:** The word "essential" was deleted in line 40.

**L120:** Add the objectives at the end of the introduction.

**Answer:** The objectives of the study were added in lines 124-129

**Map:** Add altitude values to the contour lines; otherwise, they are not informative. I also suggest removing the roads.

**Answer:** The altitude values of the contour lines and spot heights were added. Roads were also removed from the map.

**L142:** Delete the sentence “*It was conducted at the IRAD experimental site in Guiring.*” This has already been mentioned.

**Answer:** *The sentence was deleted in line 151.*

**L337:** Revise/correct the sentence: “*No correlation was observed between pH and the other elements, except for clay (r = 0.9, p < 0.05).*”

**Answer:** *The sentence was revised as follows: “**Except for clay, which was strongly positively correlated with pH (r = 0.9, p < 0.05), no significant correlations were observed between pH and other soil parameters**” in lines 347-349.*

**L378:** The suitability classes (S1-1, FO) are mentioned in the text without being explained. In Tables 8 and 9, add a legend for the acronyms and suitability classes.

**Answer:** *Thank you very much for the suggestion. A legend for the acronyms and suitability classes was added in Tables 8 and 9.*

**Table 8:** Remove decimal values from the precipitation values (total?) (mm). Add n/N to the legend.

**Answer:** *The decimal values were removed from the precipitation values and n/N was added to the legend in Table 8.*

**L425:** Where is the time-based response indicated in Table 10?

**Answer:** *The expression "over time" was deleted in line 438*

**L517:** Revise the sentence: “*Improving soil texture is also an essential strategy.*” This sentence is not relevant here.

**Answer:** *Thank you very much for this suggestion. The sentence “**Improving soil texture is also an essential strategy**” was deleted in line 529.*

**L568:** In the Guiring area, [add the location as above].

**Answer :** *The location "in the Far North Region of Cameroon" was added in line 581.*

## **Executive editor : Rémi Cardinael**

I also think the manuscript would benefit a lot from some copy-editing, and kindly ask you to do so.

Answer: We went through the paper for copy-editing. All modifications are in red in the manuscript. They are presented in the following lines.

Line 45. " and increase of " was replaced by " and an increase in "

Line 56. " quality " was replaced by " qualities "

Line 64. " Intensification " was replaced by " Also, the intensification "

Line 95. " limiting " was replaced by " thereby limiting "

Line 247. " slinity " was replaced by " salinity "

Line 248. " climatic " was replaced by " climatic conditions "

Line 265. " from each plot an average value " was replaced by " from each plot and an average value "

Line 291. " by elongated, euhedral prisms " was replaced by " by elongated euhedral prisms "

Line 300. " The SiO<sub>2</sub> content ranges between 65.3% and 66.5%. Meanwhile the TiO<sub>2</sub> content varies from 0.2% to 0.3% " was replaced by " The SiO<sub>2</sub> content ranges between 65.3% and 66.5%, meanwhile the TiO<sub>2</sub> content varies from 0.2% to 0.3% "

Line 333. " reveal " was replaced by " revealed "

Line 369. " different soil texture " was replaced by " different soil textures "

Line 371. " texture " was replaced by " textures "

Line 373. " colour of soil " was replaced by " colour of soils "

Line 407. " good uniformity and a of plant growth " was replaced by " good uniformity of plant growth "

Line 454. " increase " was replaced by " increases "

Line 557. " significantly " was replaced by " significant "

Line 571. " result " was replaced by " results "

Line 572. " improve " was replaced by " improves "

Line 584. " acid and neutral with values " was replaced by " acid and neutral, with values "

Line 600. " in the future studies " was replaced by " in future studies. "

