

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 SiO₂ content ranges between 65.3% and 66.5%. Meanwhile the TiO₂ content varies from 0.2% to 0.3% " was replaced by " The SiO₂ content ranges between 65.3% and 66.5%, meanwhile the TiO₂ 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. "

