

Response to Reviewer Eder Martins

Following the review, the manuscript showed considerable improvement; however, a few minor adjustments to phrasing and conceptual clarity are still required.

Thank very much for your remarks and suggestions which substantially improve the quality of our manuscript.

The text uses both 'fertiliser' and 'fertilizer'. Please choose one.

Answer: We choose “fertilizer”. We also choose “fertilization”

The names of chemical elements must be in lowercase letters.

Answer: Modifications were made in subsection “2.3 Rock sampling and analysis”

Table 4 - Change "Basalte" to "Basalt"

Answer: Change was made

Suggestions

Lines 29 and 30: Change the original sentence "Although the treatment with conventional fertiliser resulted in a relative higher yield, the advantage of using rock powders lies in their environmental benefits, long-term effectiveness, and more affordable cost" for improved version "Although treatments with conventional fertilizers resulted in comparatively higher yields, rock powders offer significant advantages by facilitating region-specific strategies that deliver environmental benefits, durable effectiveness, and improved affordability."

Answer: Suggestion adopted

Lines 66 and 67: Change the original sentence "In Cameroon, in particular, several studies have demonstrated the effectiveness of these powders" for improved version "Multiple studies conducted in Cameroon have demonstrated the effectiveness of these rock powders"

Answer: Suggestion adopted

Lines 79 and 80: Change the original sentence "As the minerals constituting rocks dissolve, the released chemical elements become available to plants" for improved version "The chemical elements released during the weathering of rock minerals become available to plants"

Answer: Suggestion adopted

Line 481: It is better to use "bioweathering" instead of "biogeochemical".

Answer: Suggestion adopted

Lines 521 and 522: Change the original sentence "Trachyte powder, with relatively high concentrations of K_2O and Na_2O , promotes plant growth, particularly potassium, which is essential for photosynthesis and water regulation." for improved version "Trachyte powder, with relatively high concentrations of K_2O and Na_2O , promotes plant growth, particularly potassium, which is essential for photosynthesis and water regulation."

Answer: Suggestion adopted

Lines 557 and 558: Change the original sentence "The soils in Guiring, dominated by a high sand content (62-82%) and low clay (13-23%) and silt (5-15%) contents." for improved version "The soils in Guiring are dominated by a high sand content (62–82%) and have low clay (13–23%) and silt (5–15%) contents."

Answer: Suggestion adopted