

Review of: "Yield Forecasting Model for Maize Using Satellite Multispectral Imagery Driven Vegetation Indices"

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Potential competing interests: No potential competing interests to declare.

The proposed research describes a methodology for predicting maize yield through remote sensing data. Specifically, the authors use satellite information from Landsat 8 and Sentinel 2 to compute the normalized difference vegetation index, which is further correlated with on-field yield measurements. Results show that maize production can be predicted from NDVI values.

In general, the article is hard to read and follow. The paragraph lacks structure, and more than one main idea is introduced. For instance, the introduction's first paragraph talks about crop yield, remote sensing, and the importance of maize, making it hard to follow the manuscript. Further, the second paragraph should be shorter. It could be divided. The introduction should generally have the following structure: motivation, problem statement, previous works, and the proposed method (contribution).

Regarding previous works, they are just listed, yet no descriptions of their advantages or disadvantages are presented. Thus, it is hard to prove the contribution of the current paper. Please add how the proposed research expects to overcome the actual issues regarding maize yield prediction.

Figure 2 is hard to understand; the map needs to be legible. In general, figures should be auto-descriptive, yet the current caption only allows one to understand figures partially.

Data acquisition is hard to understand. How many images are used, six or four?

The methodology needs to be clarified. I suggest adding a general scheme of the proposed method and a paragraph describing it.

The results section should be improved and made easier to follow. Further, a discussion section should be added.