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.

Yield forecasting model for maize using satellite multispectral imagery driven vegetation indices

The content of the paper shows how it is possible to use satellite multispectral imagery to obtain a relationship between maize yields and NDVI. So, the paper is well structured in different parts namely abstract, introduction, materials and methods, results and discussions, and conclusion. Landsat-8/OLI and Sentinel-2A/MSI are clearly described on how to obtain data and their functioning. A few suggestions could further enhance the manuscript's quality.

Minor revision

Minor comments.

1- In introduction, paragraph (1), maize cultivation area and yield in ha is not written correctly. Try to correct it.

2- I observed that the literature cited is dated. Try to include more recent references.

3- Figures appear unclear generally. It is recommended to recreate for improve clarity.

4- No information about the variety of maize used by farmers.

5- Figure 4: it is recommended to present x-axis and y-axis with their values. The figure 4 presents the $\mathring{R}$ values and it is written R2 in the text. Please try to arrange it.

6- In page 14, it is written "… table 5 has been used separately two developed…". Try to look if there is not a mistake.

7- The author's work uses yield data obtained in the field and NDVI obtained using satellite images from the same years to give a relationship between the two for the years concerned. Moreover, in conclusion, it is written "It was found that NDVI data extracted from sentinel 2A high resolution satellite images can be successfully used to predict the maize yield…".

a) Is it possible to obtain NDVI from satellites for the future years since they are obtained from satellite images?

b) It is possible to use the relationship between yield and NDVI given in the manuscript to predict maize yields for the future years (From 2025 to 2030 for example)? If not, I suggest that the author should review the manuscript's title.