Review of: "Adoption of Machine Learning Methods for Crop Yield Prediction-based Smart Agriculture and Sustainable Growth of Crop Yield Production – Case Study in Jordan"

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Potential competing interests: No potential competing interests to declare.

I appreciate the authors' effort in identifying the pros and cons of implementing an ML model for the effective identification of crop yield. It would be more beneficial to the research community if the authors specified which criteria or data features might influence the choice of each regression model. (The authors can explore that any kind of relationship can be brought out between the agriculture parameters and the model selection in their future work.) The authors can also explore what kind of improvements or alternatives to XGBoost can be suggested and why they might be beneficial. The authors have clearly tabulated the efficiency of each model with parameters like MSE, RMSE, etc., and have put their hard work into training and testing the 9 different models with multiple datasets, which, as a researcher, I acknowledge. I hope, as a fellow researcher, I have provided some insights based on which the authors can update their work or consider them in their future works.