

# Crop Yield Prediction Using Machine Learning

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**Abstract:** *India is an agricultural country and has such vast arable land, but yields are still very poor. There are many reasons for this. Basically, agriculture is dependent on monsoons, etc. However, one of the serious problems is that farmers are not aware of the latest technology and its use. Our project is mainly focused on predicting suitable crops for a specific time period area. This forecasting process depends primarily on meteorological conditions (monsoon) soil type, soil nutrient level, soil moisture level, etc. In our project, the model takes the above parameters as input and predicts suitable crops to grow in that environment. Depending on the values, the dataset can be prepared and trained using a machine-learning algorithm to achieve a specific output.*

**Keywords:** Soil Moisture, Temperature, Datasets, Humidity, Monsoon.

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