**Crop Yield Prediction Dataset**

Predicting crop yield of 10 most consumed crops in 🌏

<https://www.kaggle.com/datasets/patelris/crop-yield-prediction-dataset?resource=download>

## About Dataset

# Context

The science of training machines to learn and produce models for future predictions is widely used, and not for nothing. Agriculture plays a critical role in the global economy. With the continuing expansion of the human population understanding worldwide crop yield is central to addressing food security challenges and reducing the impacts of climate change.

Crop yield prediction is an important agricultural problem. The Agricultural yield primarily depends on weather conditions (rain, temperature, etc), pesticides and accurate information about history of crop yield is an important thing for making decisions related to agricultural risk management and future predictions.

# Acknowledgements

All dataset(publicly available dataset) here are taken form FAO (Food and Agriculture Organization) and World Data Bank.  
<http://www.fao.org/home/en/>  
<https://data.worldbank.org/>

**Pesticides** & **Yield** are collected from FAO.  
**Rainfall** & **Avg. Temperature** are collected from World Data Bank.  
**Yield\_df.csv** is final dataset processed by cleaning & merging of pesticides, yield, rainfall & avg. temperature.

## Data Explorer

pesticides.csv

rainfall.csv

temp.csv

yield.csv

yield\_df.csv