

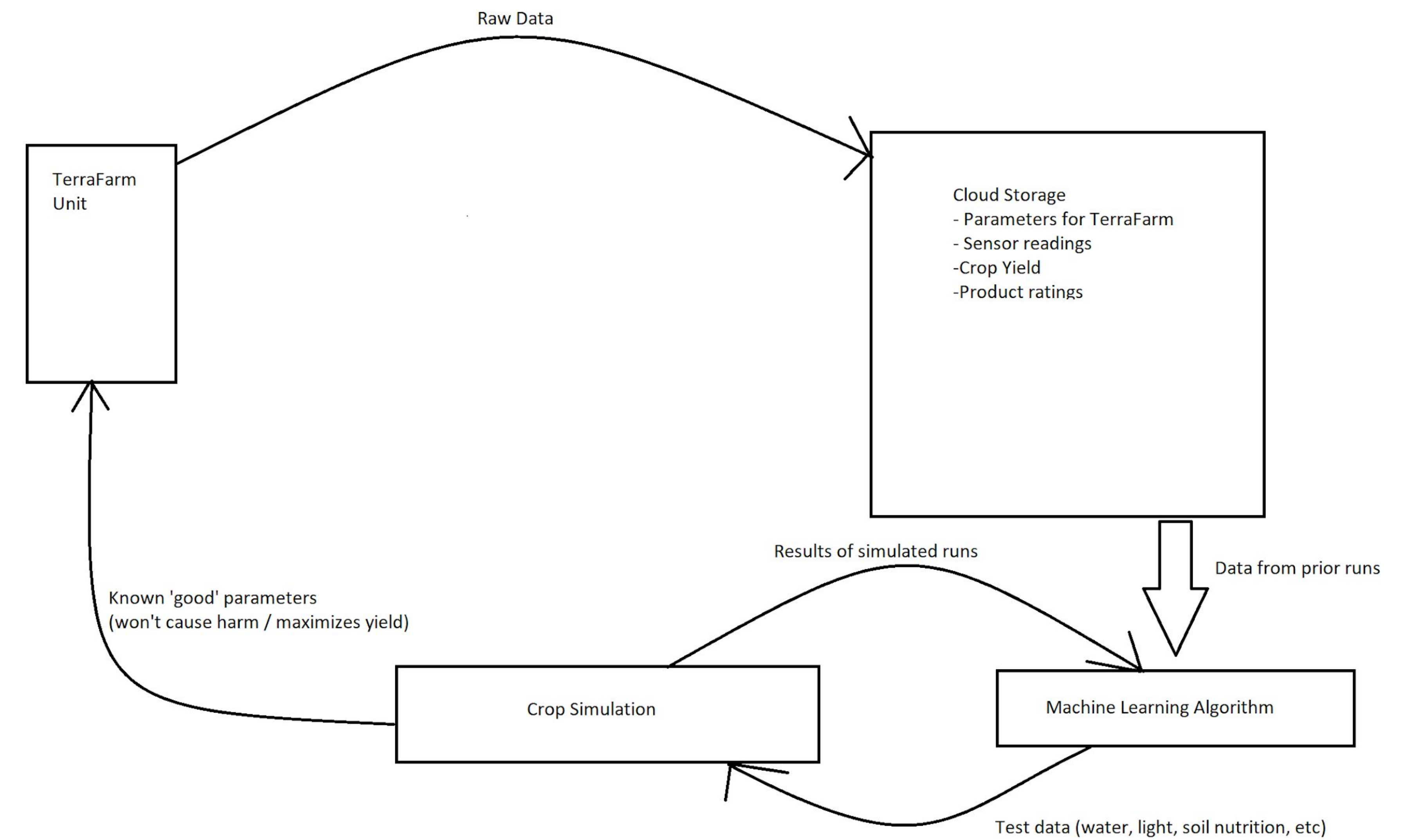


# TerraFarm Simulation & Machine Learning Algorithm (Team No. 20)

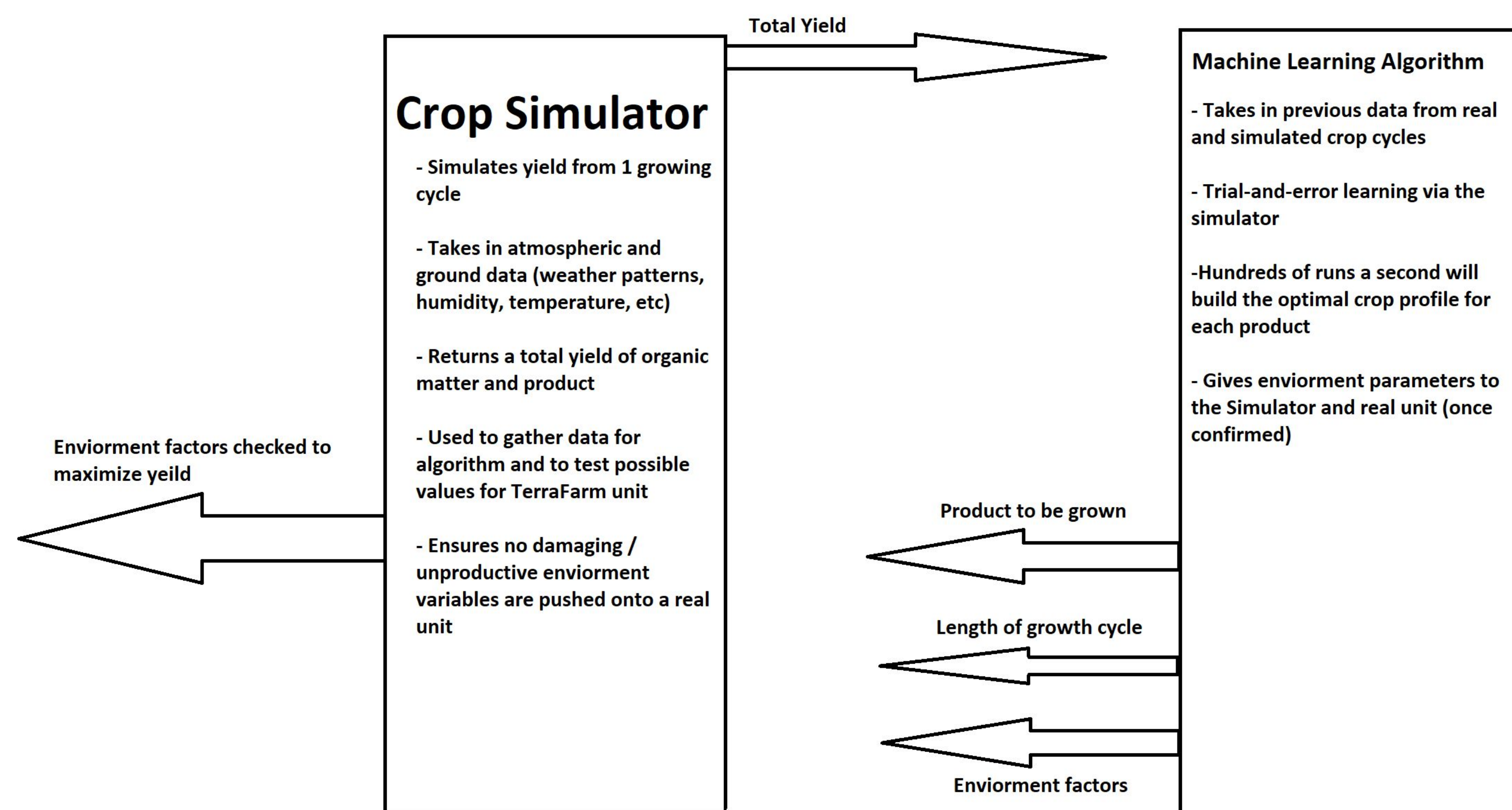
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## Description & Purpose

- TerraFarm is an automated self-enclosed hydroponic farm suited for small businesses and restaurants who wish to have fresh produce on hand without needing to have a traditional garden space.
- We wish to add an automatic simulation and machine learning algorithm to perfect the growth of vegetables in a controlled environment.



## Design



## Ethical & Intellectual Property Issues

- Free to use Python libraries for crop simulation sources. Will these remain free?
- Protecting user data and ensuring no unauthorized changes are made to a TerraFarm unit by a 3rd party
- Ethics of turning towards own-grown produce, how will this effect small local farmers?
- Liability for crop failures resulting from model errors