[Cropin Grow](https://www.cropin.com/farming-apps.html) [CropProphet](https://www.cropprophet.com/)

[Map My Crop API](https://mapmycrop.com/api-crop-monitoring/) offers real-time and historical data for informed decision-making

[Farmonaut](https://farmonaut.com/precision-farming/revolutionizing-agriculture-farmonauts-real-time-crop-data-api-for-precision-farming-in-georgia) provides AI-powered crop yield forecasting. These tools leverage data from various sources, including satellite imagery, weather data, and historical yield information, to estimate crop yield and support supply chain planning

 Predicts **crop yield** based on location, crop type, and environmental conditions.

 Estimates **supply needs** like seeds, fertilizers, and water.

 Optionally gives **recommendations** for increasing yield or optimizing resources.

**Model Inputs:**

* Crop type
* Region/Geo-location
* Season
* Weather conditions
* Soil type
* Area planted

**Model Outputs:**

* Estimated crop yield
* Input requirements

**✅ 7. Development Phases**

| **Phase** | **Tasks** |
| --- | --- |
| **1. MVP** | UI + input forms + dummy prediction model |
| **2. Data Integration** | Connect to weather API, upload local crop data |
| **3. ML Model** | Train a simple regression model on crop data |
| **4. Result Display** | Show yield and supply predictions visually |
| **5. Final Polish** | Add charts, export options, deploy on cloud (Heroku/Vercel) |