E-agriculture Solutions Forum 2016

AgriNeTT – Strengthening the Enabling Environment for Food Security in the Caribbean

http://sta.uwi.edu/rdifund/projects/agrinett/

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AgriNeTT

Empowering Farmers / Involving Youth / Facilitating Trade

The AgriNeTT project focuses on enhancing the efficiency, competitiveness and social well-being of the Agriculture sectors of the Caribbean through innovative ICT systems.

The project aims at providing tools and agriculture information to the farming community and agricultural institutions, through the development of mobile apps and web-based applications . This will help to drive economic growth of the agriculture sector and increase its competitiveness.

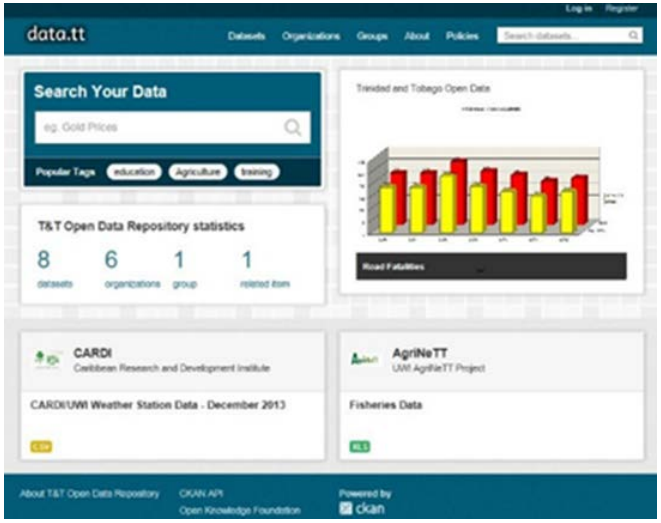
The AgriNeTT projects aligns with the United Nation's Sustainable Development Goal#2 of achieving food security and promoting sustainable agriculture. At the recently concluded ITU-WSIS awards it placed in the top five e-agriculture projects from a host of international projects. AgriNeTT has also received the FRIDA award in recognition of innovative practices that further the development of Latin America and the Caribbean.

AgriNeTT

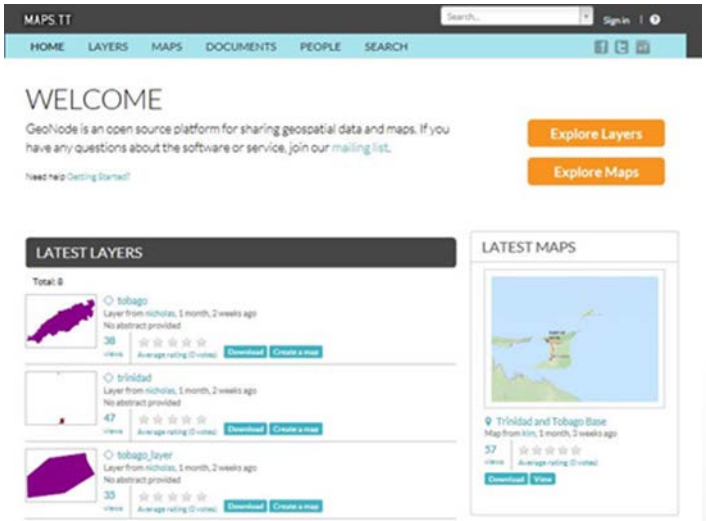
Data collection and its issues in the Caribbean

AgriNeTT

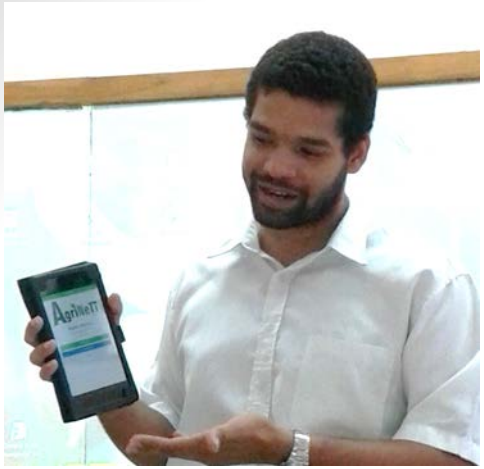
OPEN DATA – http://data.tt http://maps.tt



The AgriNeTT Open Data Repository is geared to house different data sets from institutions and associations, including **farm level production data, commodity prices and volumes, farm land spatial data, soils, weather and pest and diseases tracking data.**



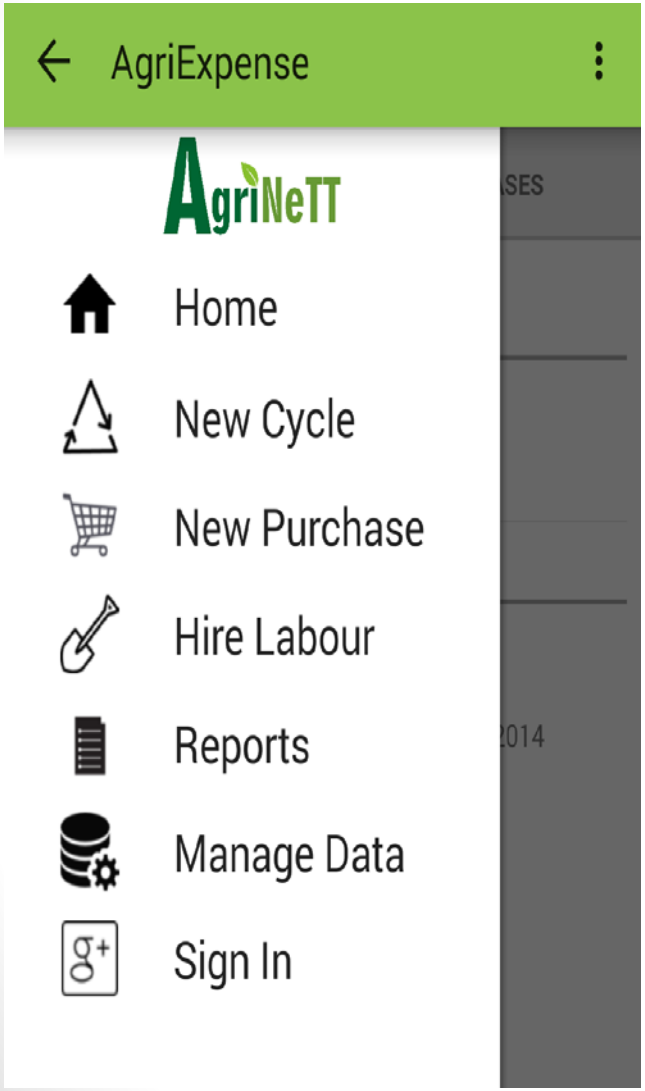
A prime objective of the platform is to **create a central repository for agriculture data** in which the data sets can be visualized in different ways and where local developers can build applications, including mobile apps, that are useful to the national community



ICT Applications that are being developed by the AgriNeTT Team

AgriNeTT

AgriExpense



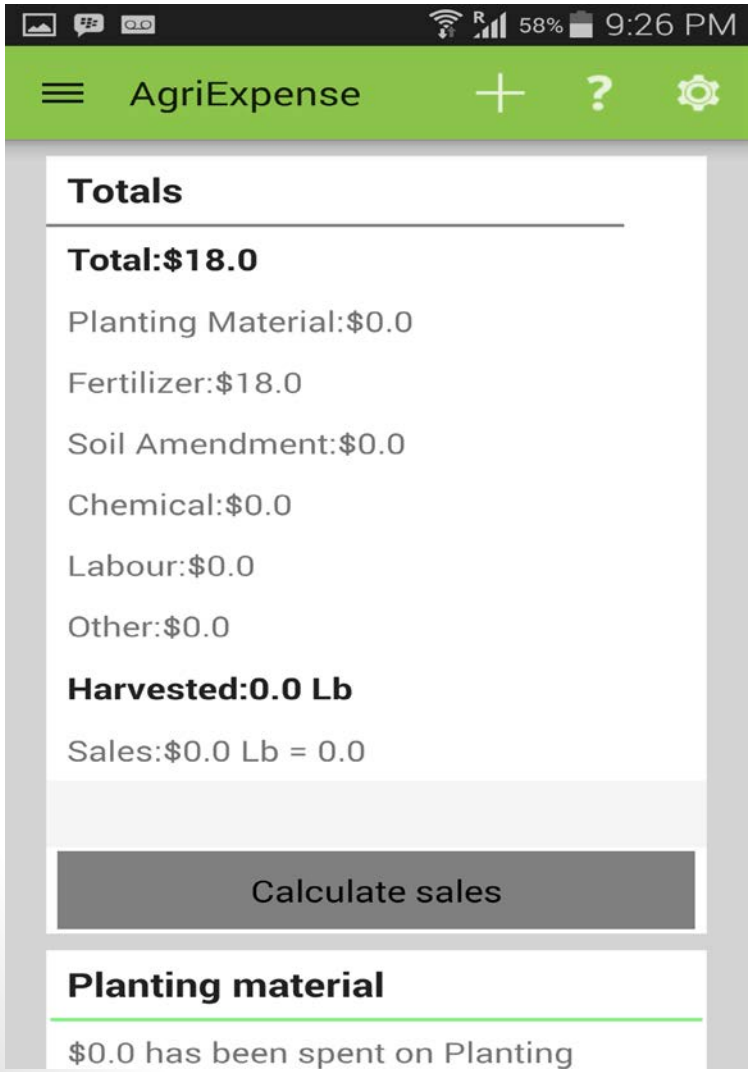
- AgriExpense was designed to assist farmers to keep records of the operational cost of each crop cycle, by recording the crop expenses by categories (planting material, fertilizer, soil amendment, labor etc) and monitoring cost of production per unit harvested. The app can use the information to determine an approximate price at which they should sell their produce to make a profit.

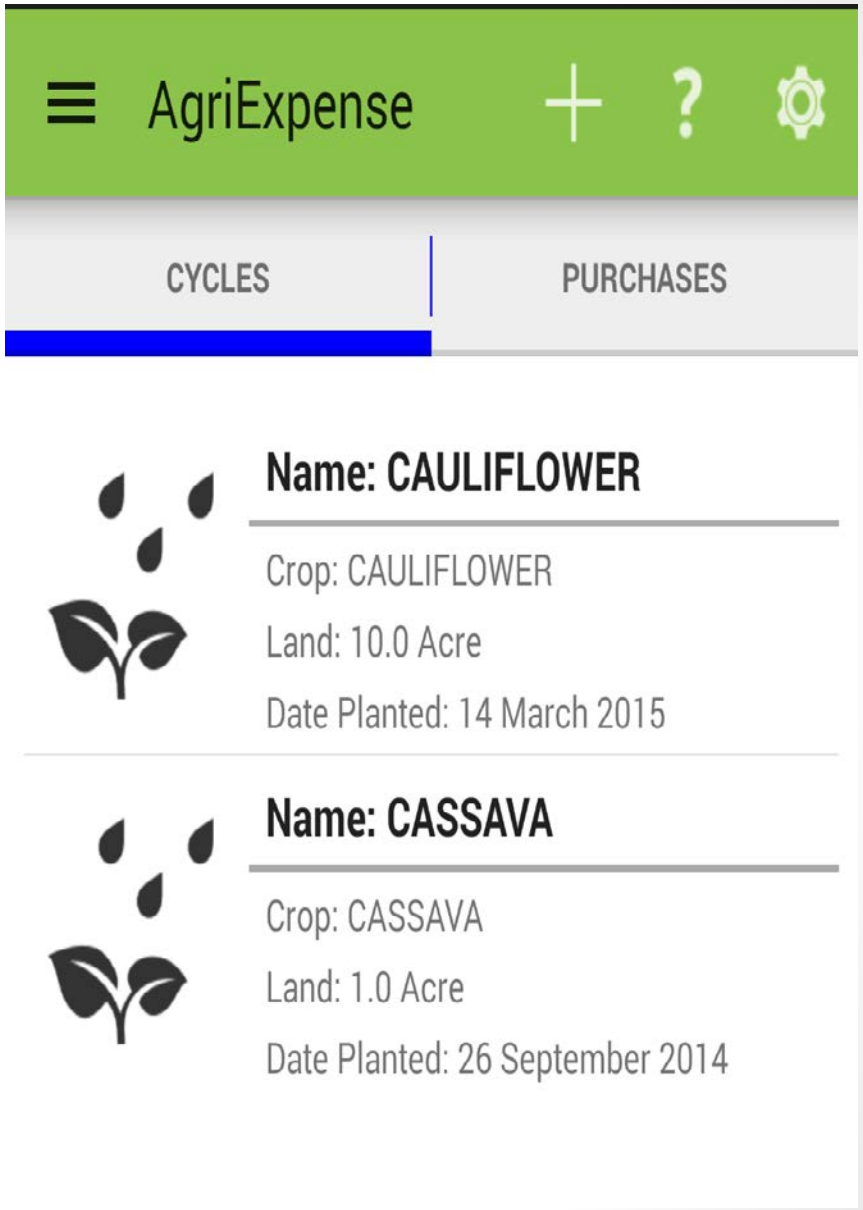
- The app is able to produce an Excel spreadsheet of expenses related to a given crop cycle .

- The app allows farmers to track expenses of more than one crop at a time, as well as track how much of each purchase of agricultural products is actually used for each crop.

- AgriExpense is available for download on Google Play.

AgriExpense





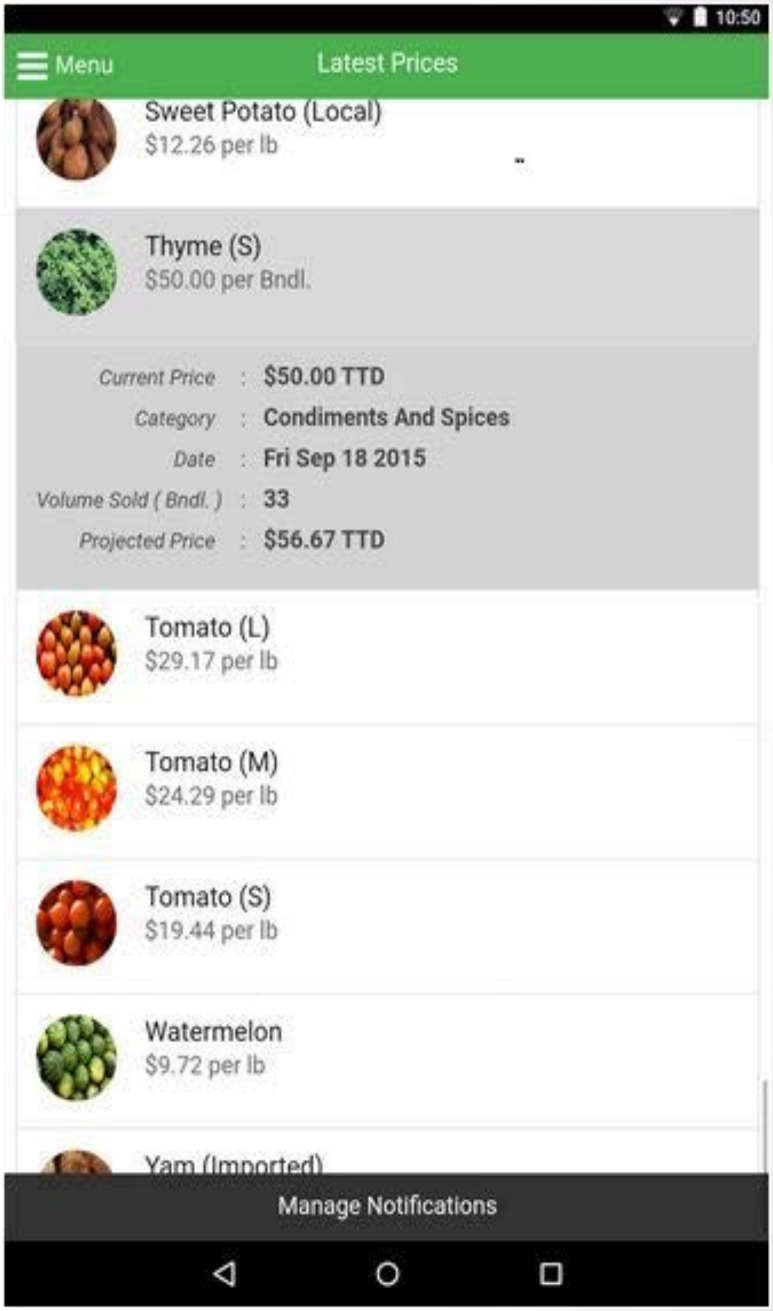
AgriNeTT

AgriPrice

The AgriPrice app was built to let farmers or consumers keep track of the prices of various crops and be automatically notified when those prices change.

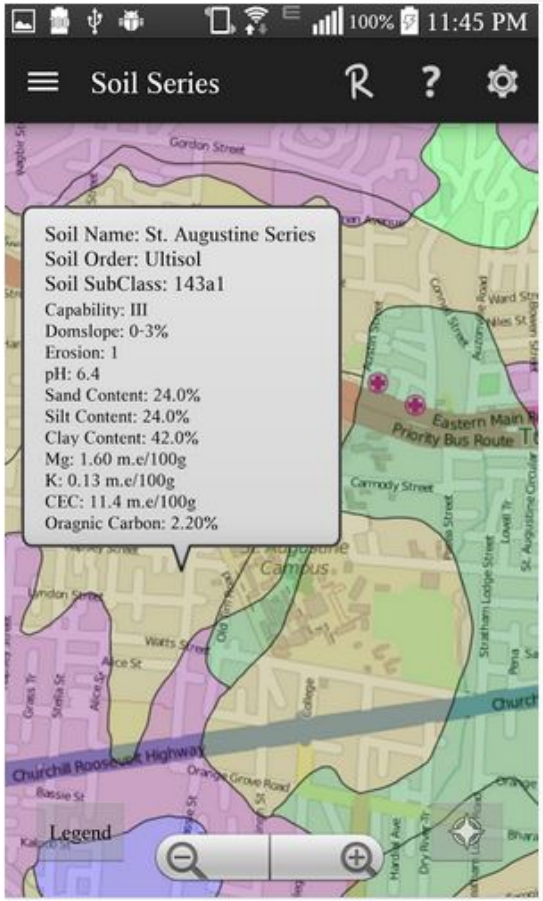
Data from the Open Data repository is used to show up-to-date prices of crops sold in the markets in Trinidad.

Users can select to be automatically notified of changes to the price of a particular crop. When notifications are turned on, each time the price of that crop changes by a significant amount a message is sent to their devices.

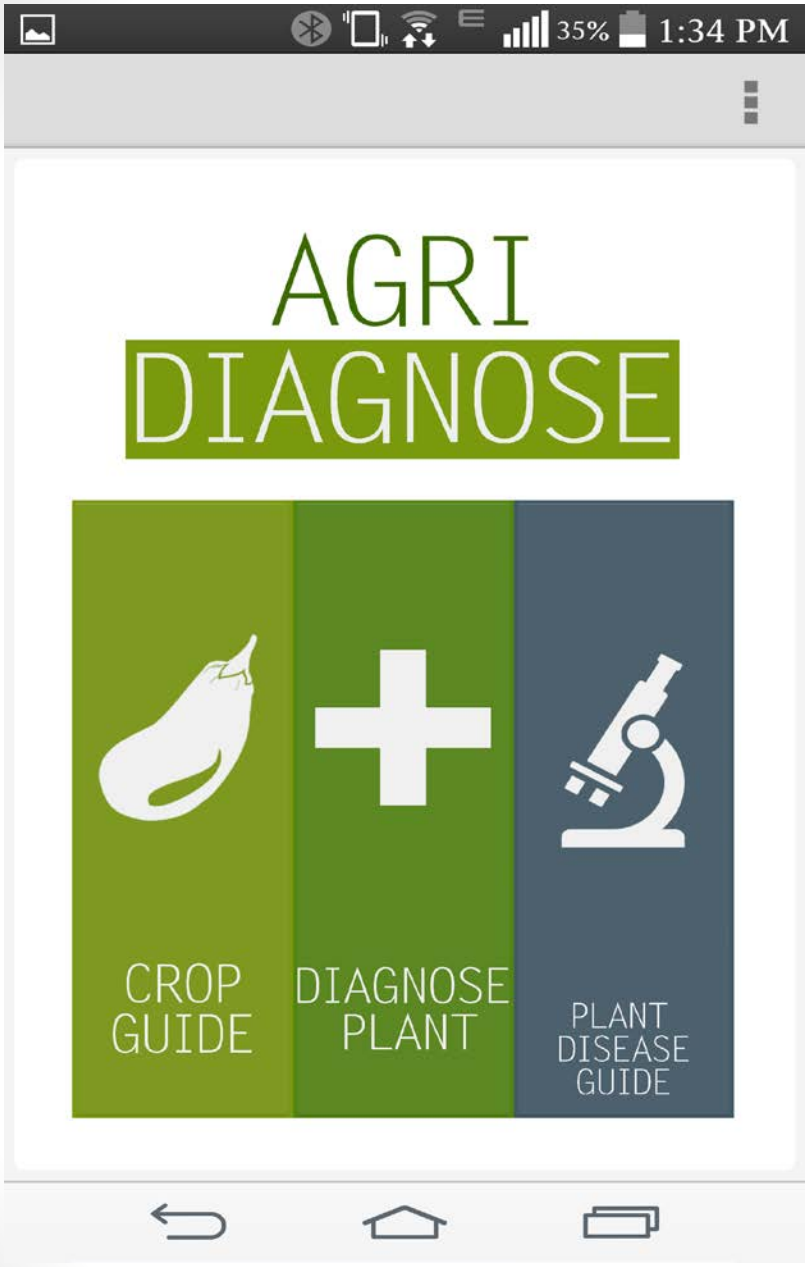


AgriMaps

The maps.tt spatial data portal is the source of data for this GIS app. The **AgriMaps** Land Suitability mobile application provides a user with features of an area of land based on his GPS coordinates. The application shows physical features, such as proximity to water sources and pipelines, access roads, and land contours. It uses a soil capability map to provide information on the soil series, pH, calcium, magnesium and other characteristic features of the soil observed. The application also has a Recommender feature that can assist farmers in determining how suitable their land is for a given crop or what is the best crop to plant on their land.



From a planning perspective, agricultural planners can benefit from the app as it can determine which crops are best suited to various farm lands across the country. The application builds on the existing Land Capability Survey by assessing soil suitability along with major land and geographic features in order to determine the best crops to cultivate.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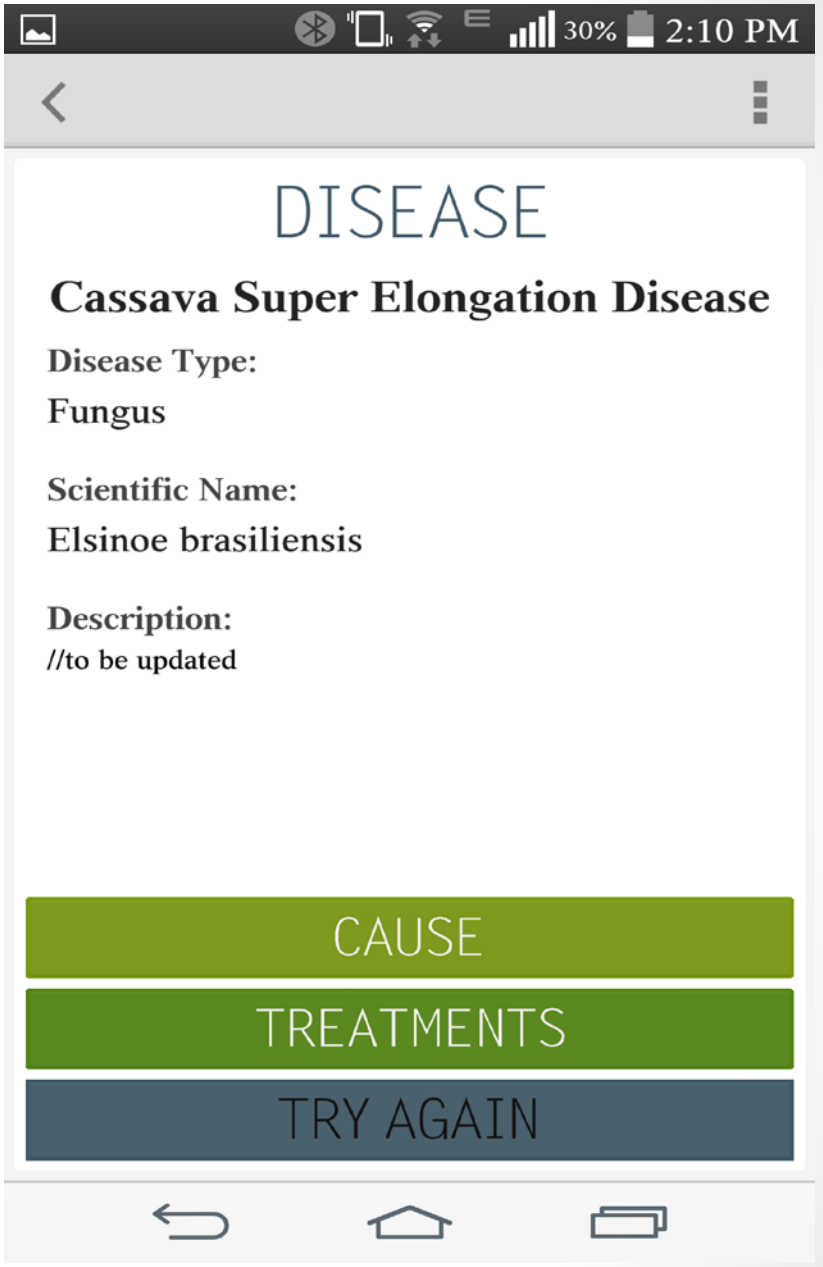
AGRI
DIAGNOSE
CROP GUIDE
DIAGNOSE PLANT
PLANT DISEASE GUIDE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DISEASE
Cassava Super Elongation Disease
Disease Type:
Fungus
Scientific Name:
Elsinoe brasiliensis
Description:
//to be updated
CAUSE
TREATMENTS
TRY AGAIN