

HELLO HAITI

Smart Greenhouse is the Way to End Food Insecurity





WHO ARE WE?WHAT ARE WE DOING?

The issue of food insecurity has been around for far too long in Haiti. That is why we are here to provide help to stop hunger. You may be asking yourselves what is food insecurity? Food insecurity is disruption of how much food is consumed due to lack of money and resources (Healthy people 2020).

We are a nonprofit organization spreading food and happiness around the globe and it is now Haiti's turn to get a piece of that sunshine. We have come up with a smart greenhouse that will provide everyone with the resources to live a healthy life with a full belly. The first greenhouse has been built in Jacmel and the other locations have been chosen as well.

The smart greenhouse is exactly what it sounds like, it is smart and can do its job on its own. Our volunteers will make sure to complete an environmental assessment to make sure the location the greenhouses are placed in are adequate for success. The land we will be using will be local rural farmland provided by local farmers.



HOW DOES IT WORK?

There will be a total of 7 greenhouses that will be built to begin with. The locations will be:

- Merotte
- Garotte
- Pilate
- Jacmel
- Les Cayes
- Hinche
- Valliere

Each greenhouse is built by the farmers that own the land. The greenhouse is completely controlled by a system that controls the environment, amount of water and sunlight each plant receives. With the help of Haitian students the system will be continuously monitored by them and our volunteers living in Haiti. The system that is used is completely solar powered and does not require any other energy to power. The system measures oxygen levels in the air that determines the amount of water in each plant. Measuring this allows us to control the amount of water that each plant receives to also help with the issue of water scarcity.

Main staple foods of Haiti will be grown such as coffee, sugar cane, beans, rice, grains, fruit and more. This greenhouse is made out of materials that can withstand strong winds and other natural disasters that occur in Haiti. But the main component of the greenhouse is that the plants are protected from any flooding which is a continuous issue for the agriculture.

The porous cement as the base soaks in the water to keep the greenhouse cool when it gets too hot. Having this greenhouse cancels out any external issues that have affected agriculture in the past.

GOALS FOR THE FUTURE

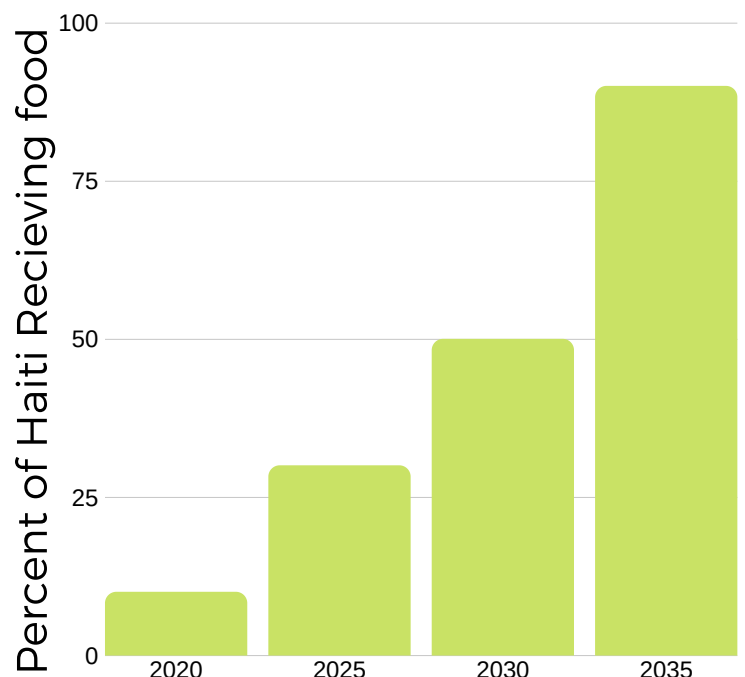
All of the food that is grown in the greenhouses does not just end there. All food grown will be given back to the people. Farmers in the area will receive a portion for themselves and the rest will be taken to urban areas. Once in the urban cities food will be distributed at no cost in return for seeds to continue the growing of more food. This cycle will be never ending and food will continue to circle through Haiti.

With the success of the greenhouses we are hoping to make more to produce more food to distribute. Also our goal as well is to make sure that these greenhouses are maintained by the people of Haiti. We want the unemployment rate to decrease so if Haitians are helping they have that feeling that they are helping make a change. We want to encourage education and inspire young children in school to participate in the building of these greenhouses.



WHERE THERE IS LOVE THERE IS LIFE - GANDHI

Our long term goals are to have over 20 smart greenhouses around Haiti. We want to change Haiti for the better and we cant do it without the people of Haiti. Haiti is not a country without its beautiful people or culture. A step towards that change is embedded in a seed ready to be planted. Planting ideas and hope and watching them grow and flourish is what we wish to see.





PLANTING HAPPINESS

OSAAT