The Issues

We need to develop more agricultural systems that include a primary source of greenhouse gas emissions. Over 80% of all greenhouse gases are from agriculture and land use. Greenhouse gases include Methane and Carbon Dioxide. This statistic does not include Carbon Dioxide released from the production of agricultural products. Modern agriculture uses the most water and nutrients, occupies 70 percent of the world’s fresh water, and diminishes biodiversity. In addition, modern agriculture has highly productive, and environmentally sustainable. The focus of our project was to explore the true potential of forest gardens: simple the concepts and ecology of a forest to the landscape of a farm. Forest gardens force farmers to think both horizontally and vertically because in a forest garden, they establish microhabitats and ecosystems and relationships between plants, animals and people. They incorporate beneficial symbiotic relationships between plants, animals and people. They incorporate beneficial symbiotic relationships between plants, animals and people. They incorporate beneficial symbiotic relationships between plants, animals and people. They incorporate beneficial symbiotic relationships between plants, animals and people. They incorporate beneficial symbiotic relationships between plants, animals and people. They incorporate beneficial symbiotic relationships between plants, animals and people. They incorporate beneficial symbiotic relationships between plants, animals and people. They incorporate beneficial symbiotic relationships between plants, animals and people. They incorporate beneficial symbiotic relationships between plants, animals and people. They incorporate beneficial symbiotic relationships between plants, animals and people. They incorporate beneficial symbiotic relationships between plants, animals and people. They incorporate beneficial symbiotic relationships between plants, animals and people. They incorporate beneficial symbiotic relationships between plants, animals and people. They incorporate beneficial symbiotic relationships between plants, animals and people. They incorporate beneficial symbiotic relationships between plants, animals and people. They incorporate beneficial symbiotic relationships between plants, animals and people. They incorporate beneficial symbiotic relationships between plants, animals and people.

A Solution

The issues of forest gardens include:
- They are more productive per acre that current farming methods and do not require artificial inputs that are harmful to the environment.
- Forest gardens bring the concept of local sustainability.
- Forest gardens are more diverse, and also reverse greenhouse gas emissions through carbon sequestration.
- Forest gardens force farmers to think both horizontally and vertically because in a forest garden, they establish microhabitats and ecosystems and relationships between plants, animals and people.
- Forest gardens avoid dependence on single crops due to their diversity of species.
- They produce food year-round, and use nature to provide functions such as nitrogen fixation, fertilization, and pest control.
- Forest gardens force farmers to think both horizontally and vertically because in a forest garden, they establish microhabitats and ecosystems and relationships between plants, animals and people.
- They restore damaged land and build soil.
- Forest gardens avoid dependence on single crops due to their diversity of species.
- They are more productive per acre that current farming methods and do not require artificial inputs that are harmful to the environment.

Goals and Objectives

The overall goal of this project is to see if forest gardens are a plausible and realistic alternative to current agricultural practices. The project will expose the harmful effects of modern agriculture as well as its unsustainable practices. Then, it will include research on the topic of forest gardening to find out whether or not the concept solves modern agriculture’s flaws.

- To determine whether or not forest gardens can replace modern farming practices and are economically viable to make.
- To determine whether or not forest gardens can be implemented in developing countries such as the United States, Africa, and in developed countries such as the United States.
- To determine whether or not forest gardens will be a solution to feeding the world's growing population using the same amount of space as modern agriculture, limit CO2 emissions, and make the world less dependent on oil.
- To raise awareness on the problems of modern agriculture as well as introduce a possible solution in forest gardening.

Implementation

The production and sharing of knowledge

Research needs to be done in two key areas:
1. We need to develop more agricultural systems that include a diverse amount of species that contribute to biodiversity and improve natural ecosystem.
2. We need to make other farming-related practices such as transportation more sustainable.

The need to more results documentation in three key areas:
1. Production results.
2. Affect on local livelihoods.

A Feasibility Study

The harvesting of forest gardens is less demanding and less labor-intensive than modern agriculture, yet it can provide a sustainable and realistic alternative to current agricultural practices. The project will expose the harmful effects of modern agriculture as well as its unsustainable practices.

The harvest benefits include:
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