Canopy-House

• Our greenhouse is a natural alternative to plastic glazing materials. Mukau trees (common in Kenya) are used to shade the plants.

• Affordability: Makua trees cost little to maintain, the sides are covered in cheap tarp, and minimum framework needs to be done.

• Transmissivity: Our greenhouse utilizes natural blockage of radiation as the Makua trees absorb harsh rays. 1/5 of light is allowed through the canopy in our model.

• Longevity: The Makua trees have a generally long life, although the formation of the trees in the correct places may prove to be an issue. The trees are also very weather proof.

• Thermal Insulation- The dark side tarps keep heat in, and the trees would regulate temperature.

• Light Diffusion: With minor tinkering, the canopy could be molded to allow proper amounts of light in.