



Aquaponics: an ancient organic agriculture that sustains high intensity growth with maximum nutri ents, in minimum spaces

AQUAPONICS CYCLE **PLANTS** GROW AND **FLOURISH** PLANTS FILTER WATER BEFORE IT RETURNS TO THE FISH BIOFILTRATION **CONVERTS WASTE** FISH LIVE TO FERTILIZERS IN WATER FOR PLANTS WITH OPTIMAL QUALITY FISH **PRODUCE** BENEFICIAL WASTE



At our orphanages in Thailand, open source aquaponics is best.





Idaho gets very cold and very hot. A greenhouse with shade for summer and insulation for winter with sustainable power works best.



Important factors to the success and style of our aquaponic system:

Time • Money • Distractions

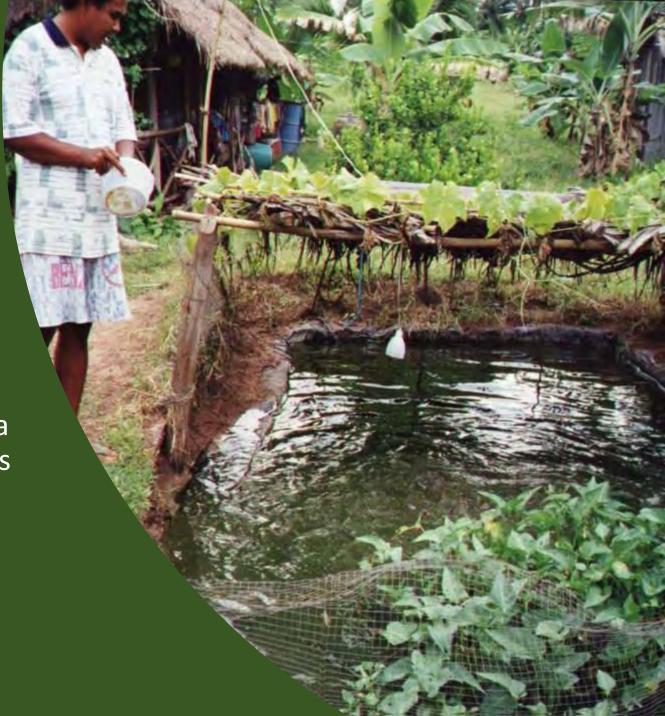
FORMULA

SUCCESS = TIME + MONEY ÷ DISTRACTIONS



WHY AQUAPONICS? It's controllable

In Cambodia, we worked with single mothers who could barely feed their family. Some chose to sell one of their children to support the other children. That was unacceptable so we developed a system fully ready to go and deliver. It was a 2000 liter container with everything inside to produce extra income with the least amount of effort or skill.





Maximum harvest in minimum space. Usually the poor have little or no extra space. So roof tops, side yards or porches can produce enough food to feed a family.





Scalable. No matter what your goals, there is a system for you! On two acres, one of our people has a million dollar business, produce 5,000 heads of lettuce per day.





Variety. The food we grow, is our choosing, because we are not limited to the environment we live in.





UNDERSTANDING THE ART AND RELATIONSHIPS OF YOUR AQUAPONICS

Know your vision. I may have one vision of why grow food via aquaponics. But your vision, mission, obstacles and goals may be very different. That is why in the very first sessions; we work on V.M.O.Gs. One person's Vision may be to live off the grid, another to feed an orphanage, another to eat thy food, another to be close to God, another just likes it. The obstacles of culture and environment must be seriously considered.



Know your people.

Who is going to work this aquaponics farm? Is it a garden or a little porch project? Size matters!



Know your environment.

Thailand has a unique environment to Idaho.



Know your science.

The "loop"- The air, water, microbes, fish and plants.

The mechanisms - tanks, power sources, etc.

But the best science is the arts



Know your fish.

Every fish has a personality with unique desires and needs.

And what do you like to eat, sell and grow?



Know your plants.

What do you all want to eat? Will your people eat it? What sells best that you like to grow?



Know your market.

This is really the first step. Is it you, alone? Is it your family? Is it your village? Is it for profit? Is it a career?







