The Future of Commercial Scale Aquaponics

Mari’s Gardens

Fred Lau
Commercial Scale Aquaculture Farm in Ecuador
Mainland Corporate Farming
Cascadian Farms
Sugarland Farms
Hamakua Springs
Hamakua Springs
Hamakua Springs Refrigeration Unit
Hamakua Springs Hydro Electric Plant
Papaya Farm
Papaya Packing
Mari’s Gardens
Mari’s Gardens Hydroponic Tomatoes
Mari’s Gardens Hydroponic Green House
Mari’s Gardens Pond Construction
Mari’s Gardens Stocked Pond
Labor Intensive, Low Mechanization
Labor Intensive, Low Mechanization
Hawaii Costs Highest in the Nation
123 PV Cells Supplementing Power
Wind Mill Supplementing Aeration
High Cost of Inputs
Making Aquaponics Commercially Viable

• Determining Economy of Scale
• Mechanization to reduce labor cost
• Controlling electrical costs using efficient equipment
• Maximizing use of renewable energy resources
• Controlling feed costs by promoting the creation of a feed-mill in Hawaii