

Abstract

WangFY Aquaponic System is a food production system that combine aquaculture which is farming of fish and hydroponics which is growing of crop in a soil-less medium.

The present invention involves several improvements over the existing system which has been in operation for over 2 years. These improvements have greatly enhance the viability, scalability, sustainability and consequently its economic value.

The present invention extends a considerable increase in crop and fish yield over traditional soil-based and fish farming respectively.

The present invention offers a 'significantly reduced' water and carbon footprint compared to existing farming systems, it also contributes to solving the issue of sustainable food security, water security and land scarcity especially for a country like Singapore.

Fig. 1 and Fig. 2