

## **A CASE STUDY OF TOMATO PRODUCTION ON FLOATING ISLAND IN MYANMAR**

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### **Abstract**

The aim of this study is to discuss tomato production on Floating Island in Myanmar and safety to environment. Tomato (*Lycopersicon esculentum*) is one of the most popular vegetables in the world. It is also widely grown in different regions of Myanmar in the season. Off-season production can only be done on the Floating Island in INLE lake especially in rainy season.. So it is great wealth for growers in Myanmar because it is ecological system supporting the tomato production throughout the year in Myanmar. The main business of the Inle region is floating garden Agriculture and tomato is primary income resource. Floating Island is soilless and composed of plants only. Its main function is to make the plants much lighter for buoyancy and it can serve for more than 10 years in water without decomposition. The tomato production on floating Island will give the higher return compared with soil bed production. Floating Island Tomato production is further encouraged by the higher price in off-season. Today, the risk on the biological safety will still have to be assessed because the farmers routinely use pesticides, fungicides and inorganic fertilizers. Therefore, we are trying to use pest, disease resistant and heat tolerant variety because it can make safe food and environment to some extent. In future, it is necessary to reduce applying the inorganic fertilizers, pesticides and fungicides in INLE area because of controlling water pollution that will benefit human health.

**Key Words:** Tomato production, Floating Island, water pollution, Off-season