



MYANMAR

# Improved Irrigation System and Post-harvest Technology for Pomelo



## Relevance

Pomelo is one of citric fruits in which water supply is very important for the product quality and is highly climate sensitive. Oway Orchard analysed that controlling necessary water volume can produce high and quality yields. Nowadays, most areas are facing climate change impacts, droughts, and flood. With recent droughts, plants need more water to maintain soil moisture. Therefore, this project aims to improve facilities for production, post-harvest procedures, and field-side handling of pomelo farm to create a model farm with modern agricultural production methods, which will serve as an example to produce high quality pomelo for international market.

## Objective

- To maintain the quality and quantity of pomelo by innovative water management
- To extend the value chain to get new market share of modern market
- To encourage small-scale pomelo farmers
- To create more career opportunity and mitigate the vulnerable

## Project overview

Partner  
Oway Orchard Agro Business Co., Ltd.

Duration  
April 2022 to  
March 2023

Volume  
58,200 EUR





## The Project at a Glance

**Establish irrigation system.** In partnership with the Agrinnovation Fund in ASEAN, Oway Orchard will develop water supply and micro irrigation system for 60ha (150 acres) in their orchard. To cover the maximum daily water requirement, 400 m<sup>3</sup> (105,000 gal.) of metal storage tank will be set up. Water for irrigation will be used from a storage reservoir and pumped into a storage tank 18 m above the field level, from where gravity is used to provide the required pressure for the irrigation system. As the water is being supplied directly at the root zone, a well-maintained and scheduled micro-irrigation system has virtually no application losses.

**Improved post-harvest technology and procedures for better quality pomelo.** According to economic integration within national and regional, standards for food production and processing will be attributed even more importance for producers. Demand for safe food among consumers is growing. Therefore, Oway Orchard will comply with an internationally recognised Good Agricultural Practice (GAP) standard in the production of pomelos and reactivate the Global G.A.P certificate to be able to establish market linkages into high-end market.

**Demonstration and Training Center.** By upgrading the production and post-harvest process, the orchard will serve as a model farm for the future of pomelo production in Myanmar. Information materials will be elaborated to support training and demonstration on farm. Further on, a space will be provided to implement future training activities and workshops in cooperation with cluster associations.



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