## SPRAYER WITH INTERCHANGABLE SUBSTANCES

Stan Engelbosch & Stef van Petegem

**Specialization** Bridging program for Master of Electromechanical Engineering Technology

# GENERAL DESCRIPTION

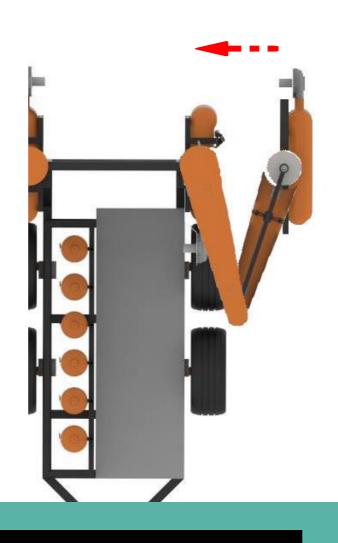
This machine makes it possible to spray plantations with 6 different kind of substances to help them grow or protect them against diseases and harmful insects. It is a big benefit for companies who test the behaviour of the substances on trees. These tests will help farmers with the fruit production.





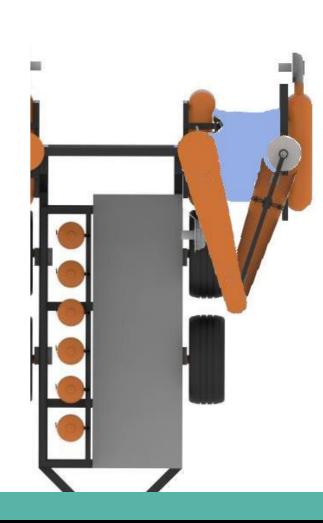
## 1. SPRAYING

Using this application, two rows of trees can be sprayed simultaneously. This is time efficient due to the interchangeable system of substances inside the sprayer.



#### 2. FOLDING

This improved way of folding is done by a gear-chain system that provides a better steering control over the arms of the sprayer.



### 3. RINSING

After usage, the sprayer can be rinsed easily and on the spot by the use of drift stoppers. The advantage is that the farmer directly can go to the next plantation.

Supervisors / cosupervisors:

Karel Kellens



