

## Graduation project “compostable supports for plants, vegetables and labels”

### Company

WPT Biobased is a start-up in the horticultural sector that was founded to develop products for more sustainable and circular floriculture. WPT Biobased consists of a multidisciplinary team with many years of experience in entrepreneurship and the development and marketing of products. We work together with various companies and research institutions related to floriculture, sustainability, research and innovation. WPT Biobased has a large network of growers and other stakeholders, so new products and possible solutions can be quickly tested in greenhouses.

### Situation

Approximately 250,000 tons of plastic are used per year in the European agricultural and floriculture market. Buckets, trays, pots, clips and packaging are made from this. The collection, transport and recycling of used plastic waste is a burden on the environment and not always common within and outside Europe.

WPT Biobased wants to contribute to a circular economy in the agricultural and floriculture sector through a strong, biobased, biodegradable and waterproof alternative to existing packaging, logistics and support resources. For the future, WPT Biobased wants to offer products that ensure a plastic-free plant, whereby plastic is no longer required during cultivation and delivery of the plant.

### Purpose of the graduation project

This project focuses on brackets and clips. These are small supports in the plant that support the plant, keep labels in place or support fruits of vegetables like tomatoes. Some of these clips are used in production cultivation. Other clips form part of the end product and reach the consumer in the living room. After use, the clips often end up in the green waste, are often made of plastic and pollute the compost or hinder the responsible processing of the green waste.



The aim of this graduation project is to develop and test a new combination of materials of circular residues and design and test of prototypes of hooks and clips of this new material. The new products must be made of natural materials and must be degradable. For this assignment, WPT Biobased works together with a party with a lot of expertise in the field of composing injection-mouldable material mixtures.

The result of the assignment are new material combinations and new designs and prototypes of possible brackets and clips with the new materials, which can be tested in practice. If there is enough time, you can use and supervise these tests yourself.

### Profile

We are looking for a driven student with an affinity for new materials and a circular future. You are driven, have good communication skills, you are independent and you work in a structured way. You enjoy taking the lead and working with many different parties.

### What do we offer?

We offer a challenging assignment, flexible working hours and a lot of freedom to carry out the assignment in your own way. You choose which days you want to be at the company and / or with partners. In addition, there is of course room for an appropriate graduation allowance.

### Interested?

Does this seem like a good graduation assignment? Contact René Wesselman of WPT Biobased via [info@wptbiobased.nl](mailto:info@wptbiobased.nl) If you have any questions, call or app Laura van der Schoor, 06-5056257