BioResin · Clean Industry

BioResin

Country: Costa Rica · San José **Category:** Clean Industry **Impact Areas:** Circular Economy **Stage:** Sketches **Team Size:** 2 **Website:** https://bioresincr.com

Elevator Pitch

We are a startup that develops biodegradable bioplastics made from cassava starch for agricultural and export applications. Our goal is to minimize the use of conventional plastics, reduce waste, and improve post-consumer waste management.

Climate Problem

The issue at hand is reducing the use of conventional plastic in agricultural and export applications that generate large amounts of waste and incur high post-consumer waste management costs

Solution

Our solution involves developing bioplastics derived from natural sources such as cassava, thereby minimizing the excessive use of conventional plastic in high-volume agricultural supply chains by offering functional bioplastics with a lower environmental impact

Revenue Model

Our revenue model will be B2B, selling bioplastics directly to agricultural exporters and input suppliers seeking new sustainable alternatives to incorporate into their product lines and value chains

Target Market

Our product is designed for the agricultural market and other sectors such as fruit and vegetable exports. Its various agricultural applications include transportation, protection, and use during planting, growth, and harvesting.

Social Impact

People of African Descent, People Living in Extreme Poverty, Women, LGBTQI+ People

Demand Evidence

The global market is being impacted by the excessive management of post-consumer plastic waste, prompting companies and consumers to become more environmentally conscious and seek new solutions to this problem

Competitors

Our direct competitors are any conventional plastic manufacturers, as they offer a product with a well-established and stable market; in our country, there are several conventional plastic manufacturers and one bioplastic company

Founder Expertise

We are a team with expertise in the fields of chemistry, engineering, the medical industry, the plastics industry, and agrochemicals; as a result, our team brings extensive experience in various areas related to the industrial and agricultural sectors.

External Support

We have received a grant from Impact Hub through the Constelar initiative

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