BioPectinGrow · Food & Agriculture

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Country: Peru · Cusco - Unión Ashaninka **Category:** Food & Agriculture **Impact Areas:** Circular Economy, Nature-Based **Stage:** Prototype **Team Size:** 3 **Website:** https://www.tiktok.com/@jeanpierevraem?_r=1&_t=ZS-95l6egob9LW

Elevator Pitch

BioPectiGrow develops agricultural bio-inputs from cocoa pectin and beneficial microorganisms. We enhance crop productivity sustainably, reducing agrochemical use and valorizing agro-industrial residues.

Climate Problem

Agriculture relies on agrochemicals that pollute soil and water and increase emissions. At the same time, agro-industrial residues like cocoa husk are underutilized, contributing to waste and environmental impact.

Solution

We develop bio-inputs from cocoa pectin and beneficial microorganisms to enhance crop growth and reduce agrochemicals. Our approach valorizes agricultural waste and promotes sustainable, low-impact farming.

Revenue Model

We sell bio-inputs to farmers and cooperatives, supported by local distribution partnerships. We scale through licensing and decentralized production using locally available agricultural residues.

Target Market

Our target market includes small and medium-scale farmers, agricultural cooperatives, and sustainable agriculture projects seeking eco-friendly alternatives to agrochemicals, especially in regions with strong cacao production.

Social Impact

Indigenous Peoples, Persons Belonging to National or Ethnic - Religious and Linguistic Minorities, People Living in Extreme Poverty, Women, LGBTQI+ People

Demand Evidence

Demand is driven by the growing need to reduce agrochemical use and adopt sustainable practices. Initial interactions with farmers and trends in organic agriculture confirm strong interest in bio-based inputs.

Competitors

Competitors include chemical agro-input companies and emerging biofertilizer producers. However, few focus on cocoa-based pectin and integrated microbial solutions, giving us a unique value proposition.

Founder Expertise

Our team combines biotechnology, sustainable agriculture, and community-based experience. We integrate scientific research, field validation, and local knowledge to develop scalable bio-input solutions with real environmental impact.

External Support

We have academic and technical support, with access to laboratories for experimental validation. We also collaborate with farming communities for early-stage testing and development of sustainable bio-input solutions.

Source: ClimateLaunchpad 2026 Application · App ID: 8294 Ingested: 2026-05-25

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