

# YakuSmart · Food & Agriculture

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## YakuSmart

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**Country:** Peru · Lima **Category:** Food & Agriculture **Impact Areas:** Adaptation **Stage:** Launched **Team Size:** 4  
**Website:** <https://yakusmart.io>

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## Elevator Pitch

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YakuSmart uses AI to optimize irrigation in agriculture. By integrating soil, weather, and satellite data, we help farms reduce water waste and improve yields, tackling water scarcity in climate-vulnerable regions.

## Climate Problem

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Climate change is driving water scarcity and unpredictable rainfall, making irrigation inefficient and unreliable. Agriculture uses ~70% of freshwater, and poor irrigation worsens water depletion, threatening food production and farmer resilience.

## Solution

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YakuSmart delivers AI-powered irrigation decisions through a WhatsApp assistant. By combining agronomic knowledge with real-time data from soil sensors, weather, and satellites, we guide farmers on when and how much to irrigate, improving efficiency.

## Revenue Model

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We generate revenue through a SaaS model, charging farms per hectare per year. This includes access to our AI irrigation recommendations, WhatsApp assistant, and sensor deployment, enabling scalable and recurring revenue as farms expand usage.

## Target Market

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Our target market is mid and large agro-export farms growing high-value crops (e.g. grapes, avocados, blueberries). We start in Latin America (Peru, Chile) and expand globally to regions facing water scarcity and intensive irrigated agriculture.

# Social Impact

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Indigenous Peoples

# Demand Evidence

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We have 9 paying pilot projects with agro-export farms covering over 100 hectares. Farmers actively use our recommendations, achieving up to 20% water savings, validating strong demand and clear value.

# Competitors

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Competitors include SupPlant, Instacrops, and Agurotech. Unlike them, we deliver more representative, soil-calibrated data and actionable irrigation decisions through a WhatsApp AI assistant embedded in farmers' daily workflows

# Founder Expertise

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Our team combines AI, IoT, and commercial expertise. The founder is an AI researcher at Oxford with experience building and deploying ML systems; the team includes in-house hardware development and deep experience working with agro-export farms.

# External Support

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We are part of LIFT (Lucha Impact Founder Training), receiving mentorship and business support. We also raised \$30K from an angel investor to develop and validate our solution through early pilots.

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*Source: ClimateLaunchpad 2026 Application · App ID: 7233 Ingested: 2026-05-25*

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