



Codifying Farm knowledge into Predictive Power



The Problem: A Cascading Knowledge Crisis

One Root Cause. Four Devastating Consequences. A Systemic Threat to Global Food Security.

Knowledge Extinction

Farm-specific expertise is irreplaceable and vanishes forever as veteran managers (avg. age 65+) retire. Decades of accumulated wisdom—the "agricultural DNA"—is lost.

Operational Breakdown

Without expertise, farms rely on outdated manual seasonal planning. This creates a critical single point of failure that destabilizes the entire food supply chain.

Market Chaos

Poor planning decisions lead to severe market price instability, supply-demand disruptions, and massive food loss across the entire supply chain.

Financial Stranglehold

Banks and insurers retreat to conservative historical models, increasing costs and creating unfavorable lending terms—exactly when farms need support most.



The Domino Effect: Every retiring farmer takes irreplaceable knowledge to the grave, triggering an inevitable cascade toward food system collapse.

The Solution: Preserving and Expanding Agricultural Knowledge & Expertise

Integrating local farmer insights with global farm data to expertly guide every season.

Preserving human expertise

JACOB-AI codifies local experience before it disappears by capturing generations of unique institutional knowledge.

Enhancing operational intelligence

JACOB-AI converts intuition into data-driven, concrete solutions that are easily understood and practical.

Stabilizing performance

JACOB-AI prevents planning errors and yield volatility by proactively identifying problems before they arise, significantly reducing losses and boosting yields.

Future-proofing agriculture

JACOB-AI builds a permanent, evolving intelligence layer for every farm.



JACOB-AI fuses human expertise with live farm data to create a continuously learning system that delivers adaptive, expert guidance for every farm, every season.

ROI & Value Proposition

JACOB-AI delivers broad-based, holistic returns by optimizing the entire seasonal planning cycle.

Case Study Example:

(Canadian Grain Farms 8,000 acres)

Converting traditional rotations to knowledge-driven cycles drives a total estimated annual benefit of \$500,000 per year vs. \$24,000 cost.

Value Proposition:

By merging human knowledge and farm data, JACOB-AI provides an advanced operational platform that ensures optimal yields, predictable performance, and zero costly planning errors every season.

Knowledge Moat:

Our proprietary data capture methodology creates a deep knowledge moat, resulting in Near-Zero Churn (projected minimum 10-year retention) and High Customer Lifetime Value (LTV).



Data-driven. Knowledge-powered. ROI-proven. JACOB-AI turns farm data and human expertise into predictable, compounding ROI.

Go-to-Market & Traction

Early strategic traction with industry giants confirms a clear path from validation to large-scale deployment across the world's farms.

Revenue Model

Annual SaaS Per-Acre Fee.

Strategic Partners

Agri-Fintech banks/insurers (reduces their risk), OEMs (embedding the technology), Agricultural Associations.

Traction

Validating Value with Global Leaders.

MVP Stage 3

Partnering with John Deere on a large-scale grain farm.

Ongoing pilots

with Agricultural Corporations in Central America and two Design Partners in Israel (solving extreme crop complexity).



From pilots to partners to profits, JACOB-AI is proving its value now and building the ecosystem to scale worldwide.

The Co-founders

A seasoned management team of entrepreneurs and tech leaders from public and start-up companies



Sagi Pinkas
Co-founder, CEO

Seasoned entrepreneur & Agri-data pioneer; Founder & CEO of Israel's leading Farm Management System Company; 20+ years collecting invaluable agri-data.



Ido Yahalomi
Co-founder, CTO & VP R&D

AI software/autonomous-drones tech leader; Founder & CTO of a \$200M AI-based Drones Fleet Management Systems Company; Former CTO of Isracard, Israel's largest Credit Group.



Eldad Caspi
Co-founder & CBO/COO

BD Mellanox HPC, VP M&As at SkyVision, Founder & CEO of LeadIP, CEO of EasyPark (OTIV), led it to its first IPO.

Advisory Board

Prof. Dan Ariely

Behavioral economist, decision science, economic psychology and AI ethics.

Roi Barkan

Veteran Farm Cooperative Manager, expert in Field Crops and advanced Agri technologies.

Dotan Dror

Veteran Farm Cooperative Manager, Desert Tech Expert in Edge of Desert Crops.

Decades of leadership across agri-data, AI, and enterprise innovation combine to redefine farming intelligence.

Competitive Landscape

The farmer's view

The competition

JACOB-AI advantage

Setting up and running

Farmers fear from the process of deploying a new system

Requiring Weeks for setup, no potential error alerts, hi dependency

Requiring 2-3 hours for setup, smart error alerting system, seamless DATA transfer

Rapid Time-to-Value (TTV)

Farmers complain on low to none ROI

No insights before 5-7 months of data accumulation

From day one we deliver action recommendations based on knowledge

Seasonal planning

A manual tedious process with questionable results

Does not exist

JACOB's TOP FEATURE

A Win-Win Ecosystem

Farmers know that their knowledge and experience are valuable but fail to transform it to income.

Very low value-for-money

Very high value-for-money
Thought related industries

knowledge transfer and Next generation retention

Knowledge transfer to the next generation is known issue of enormous importance to farmers, especially on family farms.

No tools for knowledge management

High focus on knowledge management for the future generation



Contact us
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