

AgriConnect Platform

Bridging farmers and markets through technology





The Challenge Farmers Face Today

Price Blind Spots

No real-time market data when making critical selling decisions

Communication Gap

Disconnect between farmers and market heads limits opportunities

Lost Revenue

Information asymmetry costs farmers thousands annually

Our Solution: AgriConnect

A comprehensive digital platform connecting agricultural stakeholders in real-time



Real-Time Market Intelligence

Verified price updates from market heads delivered instantly

Direct Communication

Seamless channel between farmers and markets

Field-Ready Access

Mobile-responsive design works anywhere, anytime

Platform Capabilities



Secure Authentication

Enterprise-grade security protecting user data and transactions



Price Management

Intuitive dashboard for market heads to update pricing instantly



Farmer Interface

Clean, simple view of current market prices and trends



Contact System

Direct request channel connecting farmers with market opportunities



Live Updates

Real-time data synchronization ensures accuracy across all users



Access Control

Role-based permissions maintain data integrity and privacy

Two-Tier User System

Farmers

- View current market prices across regions
- Submit contact requests to market heads
- Access comprehensive market information
- Track price trends over time

Market Heads

- Add and update market prices instantly
- Manage complete price listings
- Respond to farmer inquiries directly
- Reach broader farmer networks



Built on Modern Technology

A robust, scalable architecture designed for reliability and performance



Frontend Layer

React & TypeScript

Type-safe, component-based UI with Tailwind CSS for responsive design



Backend Infrastructure

Lovable Cloud (Supabase)

Scalable cloud services with built-in real-time capabilities



Data Layer

PostgreSQL

Enterprise database with Row Level Security for data protection



Authentication

Email-Based Auth

Secure, passwordless authentication flow for all users

Core Functionalities



Price Management

- Create new entries
- Update existing prices
- Delete outdated data
- Real-time synchronization



Contact System

- Request submission
- Direct messaging
- Response tracking
- Communication history



Smart Dashboard

- Role-specific views
- Data visualization
- Management tools
- Analytics insights

Enterprise-Grade Security

Protecting your data at every layer

1

Row Level Security

Database policies isolate data by user role and permissions

2

Authentication Flow

Secure email-based verification with encrypted token management

3

Input Validation

All data sanitized and validated before processing

4

API Protection

Encrypted transmission with protected endpoints throughout



Real Impact, Real Benefits



For Farmers

- Make data-driven selling decisions
- Eliminate information asymmetry
- Direct access to markets
- Maximize revenue potential

For Market Heads

- Efficient price dissemination
- Streamlined farmer communication
- Expand market reach
- Build trusted relationships



Join the AgriConnect Revolution

Transform agricultural markets through transparency and technology

Ready to empower farmers?

Partner with us to bring price transparency to agricultural communities

100%

Real-Time

Market price accuracy

24/7

Access

Platform availability

∞

Potential

For growth and impact