



KrishiOS

# AI-Powered Modern Agriculture Management Platform

One platform for crops, livestock, marketplace, and AI solutions

**Made by : Sohan**

# The Challenge Facing Bangladeshi Farmers



## Limited Access

Lack of quality seeds, fertilizers, and proper guidance

## Crop & Livestock Disease

Severe losses from undetected plant and animal illnesses

## Market Information Gap

No reliable data on prices, demand, or trusted sellers

## Technology Barrier

Complex tools not designed for rural Bengali speakers

# Introducing KrishiOS

A Bangla-first, mobile-friendly digital farming assistant that unifies crop management, livestock care, marketplace access, and AI-powered insights into one simple platform.

01

## Designed for Farmers

Simple Bangla interface with voice input and visual icons

02

## Complete Farm Solution

Manage everything from seeds to sales in one place

03

## AI-Powered Intelligence

Smart recommendations based on your specific needs



# Crop Management Features



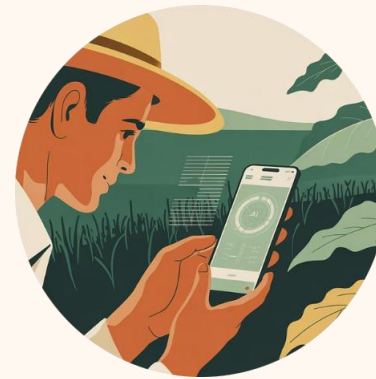
## Smart Seed Selection

Personalized recommendations based on soil type, season, and climate data



## Fertilizer Planning

Optimized nutrient schedules to maximize yield and minimize waste



## AI Disease Detection

Instant diagnosis via photo upload with treatment recommendations



## Yield & Profit Forecasting

Accurate production estimates and revenue projections for planning

# Livestock Management System



## Poultry Management

Track chickens, ducks, and eggs with automated feeding schedules



## Cattle Care

Monitor cows, buffalo with milk production tracking and health alerts



## Small Livestock

Manage goats, sheep with breeding cycles and weight monitoring



## Specialty Birds

Pigeon farming with pairing recommendations and health tracking



## Comprehensive Features

- Automated feed planning and cost optimization
- Vaccination schedules with reminder notifications
- Disease symptom detection and treatment guidance
- Production tracking for milk, eggs, and meat



# AI-Powered Decision Intelligence



## Yield Prediction

Machine learning forecasts for crop and livestock production



## Peer Comparison

Benchmark your farm against similar operations in your region



## Input Optimization

Precise recommendations for feed, fertilizer, and resource allocation



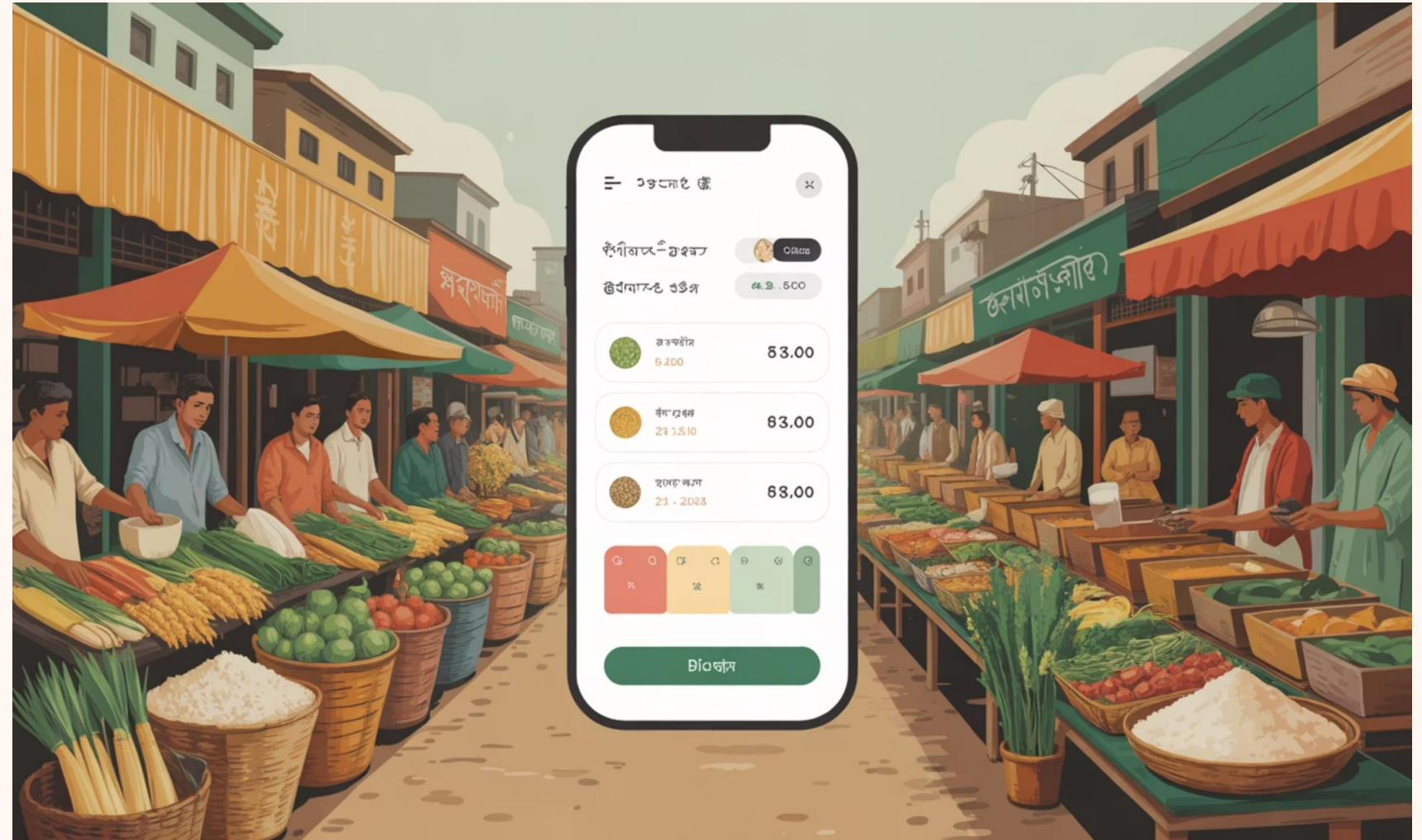
## Explainable AI

Clear explanations in Bangla: "Why this recommendation?"

# Trusted Marketplace Integration

## Connect with Verified Sellers

Access a curated network of quality agricultural suppliers with transparent pricing and community-verified ratings.



### Seeds & Fertilizers

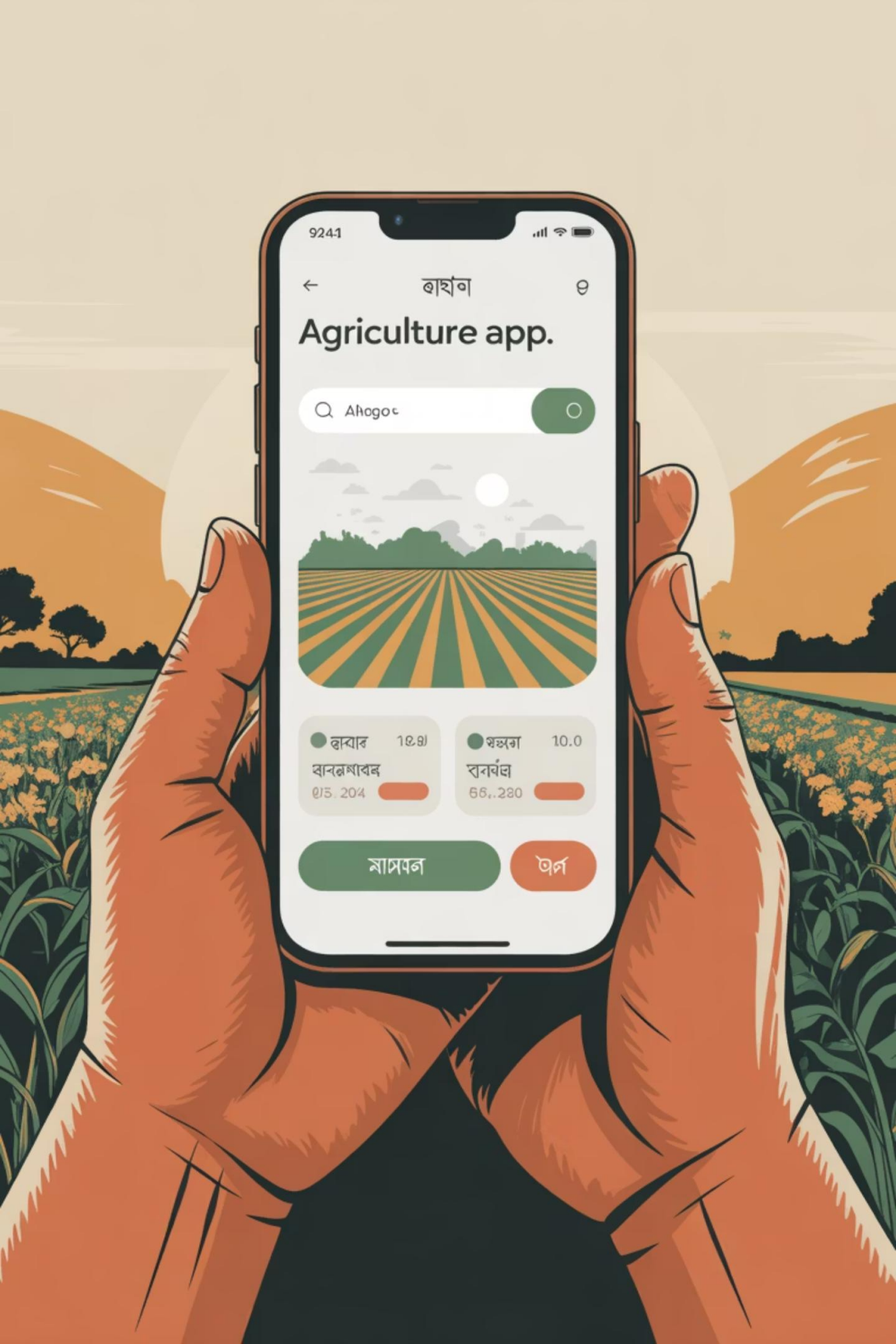
Compare prices from certified vendors

### Animal Feed

Quality feed suppliers with delivery options

### Community Reviews

Farmer ratings and fraud warnings



# Why Bangla-First Design Matters



## Native Language

Complete Bangla interface removes language barriers for rural farmers



## Voice Input

Speak naturally in Bangla instead of typing complex terms



## Visual Navigation

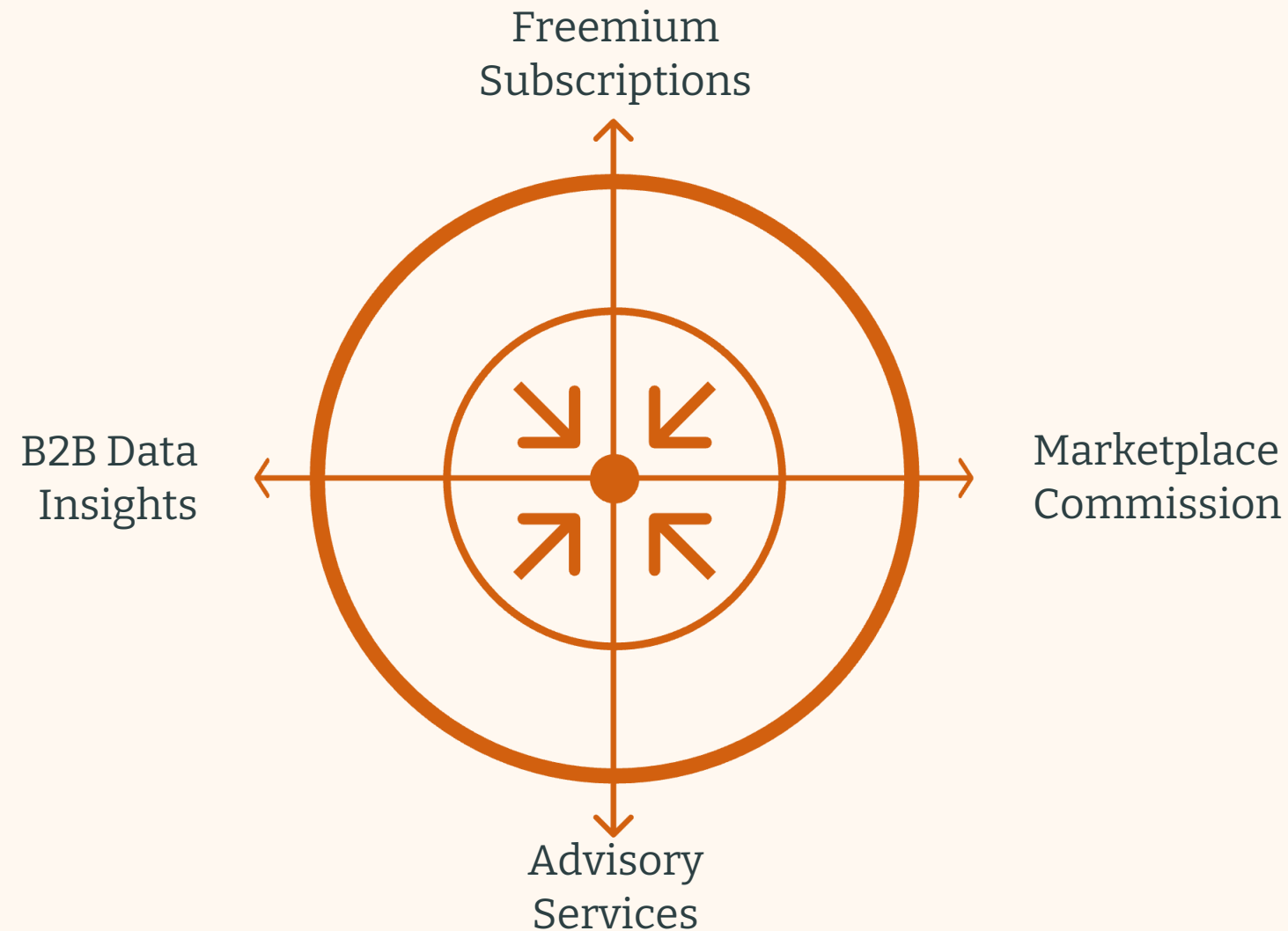
Icon-based design for users with limited literacy



## Technology Without Fear

Familiar language builds confidence and adoption

# Revenue Model



Sustainable growth through diversified income sources aligned with farmer success.

## Monetization Strategy

- **Free Tier:** Basic features for all farmers
- **Premium:** Advanced AI, unlimited tracking, priority support
- **Marketplace:** Small commission on verified transactions
- **Advisory:** Expert consultation services
- **B2B Data:** Anonymized insights for agribusinesses and NGOs



Transforming Bangladesh Agriculture

# KrishiOS: The Farmer's Digital Companion

30%

Production Increase

Through optimized inputs and AI recommendations

25%

Cost Reduction

Efficient resource use and marketplace transparency

40%

Disease Prevention

Early detection saves crops and livestock

50%

Income Growth

Higher yields with lower costs means better livelihoods

**Smart farming for a smarter Bangladesh.** Empowering every farmer with technology, knowledge, and opportunity — all in their native language.