

# CONSAI AGRO OS

## FARMER DATA FRAMEWORK (STANDARD VERSION 1.0)

Technical Specification for Agricultural Data Interoperability

### 1. Farmer Identity (Core Profile)

- Full Name
- Company / Farm Name
- Role (Farmer / Producer / Cooperative)
- Nationality
- ID / Passport (*optional*)
- Phone (WhatsApp Integration)
- Email
- Preferred Language
- Digital Level (Low / Medium / High)

### 2. Location & Farm Positioning

- Country / Region / State
- City / Village
- GPS Coordinates (Map-based)
- Address (Text + Map Search)
- Saved Locations (Bookmarks)

### 3. Field & Land Data

- Number of Fields / Field Names
- GeoJSON Polygon (Map Draw)
- Size (Hectares – Auto Calculated)
- Soil Type (Sand / Clay / Mixed)
- Irrigation Type (Manual / Drip / Rain)
- Land Ownership (Owned / Leased)

### 4. Crop & Production Data

- Current Crops (Per Field)
- Past Crops (History)
- Planned Crops (Next Season)
- Planting Date / Expected Harvest
- Yield per Hectare (Historical)
- Quality Level (Export Grade focus)

### 5. Operational Data

- Irrigation Schedule
- Fertilizer Usage Log
- Pest Issues (History)
- Disease Incidents
- Machinery Used / Labor Availability

### 6. Equipment & Infrastructure

- Machinery: Tractors, Harvesters
- Irrigation Systems Type
- Storage Capacity (Tons)
- Cold Storage Availability
- Transport Access (Truck/None)

### 7. Inventory & Supply

- Current Stock (Type + Quantity)
- Storage Condition
- Available for Sale (Status)
- Minimum Price Expectation

### 8. Financial & Investment

- Monthly Revenue (Range)
- Cost Structure (Optional)
- Access to Financing (Y/N)
- Interest in: Investors, Partnerships, Expansion

- Farmer Score
- Reliability Score
- Risk Score

- Opportunity Score
- Market Matchmaking
- Climate Resilience

- Recommended Actions
- Creditworthiness Index
- Yield Prediction

## MINIMUM DATA SET (MVP / FAST ONBOARDING)

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**Full Name | Phone (WhatsApp) | Location (Map) | Field Polygon | Crop | Size (Auto) |  
Harvest Timing | Sale Status**

## SMART QUESTIONS (FOR FIELD STAFF)

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- ? *What are you growing right now?*
- ? *When will you harvest?*
- ? *Do you already have a buyer?*
- ? *Do you want a better price or a faster sale?*
- ? *Can you export or only sell locally?*