

# Pilot Participant Agreement (The Sovereignty Contract)

Project: FarmSense Commercial 5 Pilot

Version: 1.0 (Production Ready)

## 1. Purpose & Scope

This agreement governs the relationship between FarmSense (the "Provider") and the undersigned agricultural operator (the "Commander"). The objective is to validate the **Hydrological Autonomy** engine using real-world operational data in exchange for early-access risk mitigation tools.

## 2. The Exchange of Value

### 2.1 Provider Commitments

FarmSense shall provide the Commander with:

- **Flash-Drought Alerts:** Predictive notifications 5–10 days before physiological stress occurs.
- **Energy Arbitrage Scheduling:** Optimal pumping windows based on the intersection of crop thirst and utility spot-pricing.
- **Hydrological FICO Beta:** A preliminary risk-valuation score for use in private discussions with lenders.
- **Structural Audits:** Continuous monitoring for land subsidence to protect the Commander's real estate valuation.

### 2.2 Commander Commitments

The Commander shall grant FarmSense:

- **Read-Only API Access:** Connection to the John Deere Operations Center (JDLink) for machine telemetry and application logs.
- **Ground-Truth Calibration:** Permission to correlate satellite findings with existing on-site moisture probes or well-depth sensors.
- **Feedback Loop:** Participation in a monthly 30-minute technical review to calibrate the "Hierarchy of Truth" logic.

## 3. Data Sovereignty & Privacy

- **Ownership:** The Commander retains 100% ownership of all raw data (yield, machine hours, fuel use). FarmSense retains ownership of the **Synthetic Insights** (the processed scores and alerts).
- **Geographic Masking:** For any regional reporting or investor validation, FarmSense will

"blur" data to a 1km resolution. Individual field boundaries and specific operator identities will never be disclosed to third parties or regulators without explicit written consent.

- **The "Black Box" Guarantee:** FarmSense will not sell raw individual farm data. We sell the **Resolution of Conflict** (the aggregate logic).

## 4. Liability & Autonomous Control

- **Final Authority:** The Commander remains the final authority on all irrigation and input decisions. FarmSense triggers are "Decision Support" tools.
- **Safe Harbor:** In the event of a "Flash-Drought" reset command, FarmSense acts as a digital advisor. FarmSense is not liable for mechanical failures of third-party irrigation hardware (e.g., pivot motor failure).

## 5. Term & Termination

This agreement is valid for the duration of the current growing season. Either party may terminate the agreement with 14 days' written notice. Upon termination, FarmSense will disconnect all API bridges and, upon request, purge identifiable private data from the active model environment.

Agreed by:

Commander (Signature): \_\_\_\_\_ Date: \_\_\_\_\_

FarmSense Representative: \_\_\_\_\_ Date: \_\_\_\_\_