

# Precision Agriculture & Agentic AI

## Leveraging Gemini & Claude for a Modern FarmOS

PA Veterans Farm Conference | February 27, 2026  
Robert H Mowery III



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# THE SMALL FARM REVOLUTION

✓ **Data-Driven Resilience:**  
Turn intuition into precision through automated data collection.



✓ **Low Barrier to Entry:**  
Simple setup via natural language – no coding required.

✓ **Extreme Affordability:**  
High-end Ag-Tech for just **\$20 - \$40 / month.**



 a soil sensor



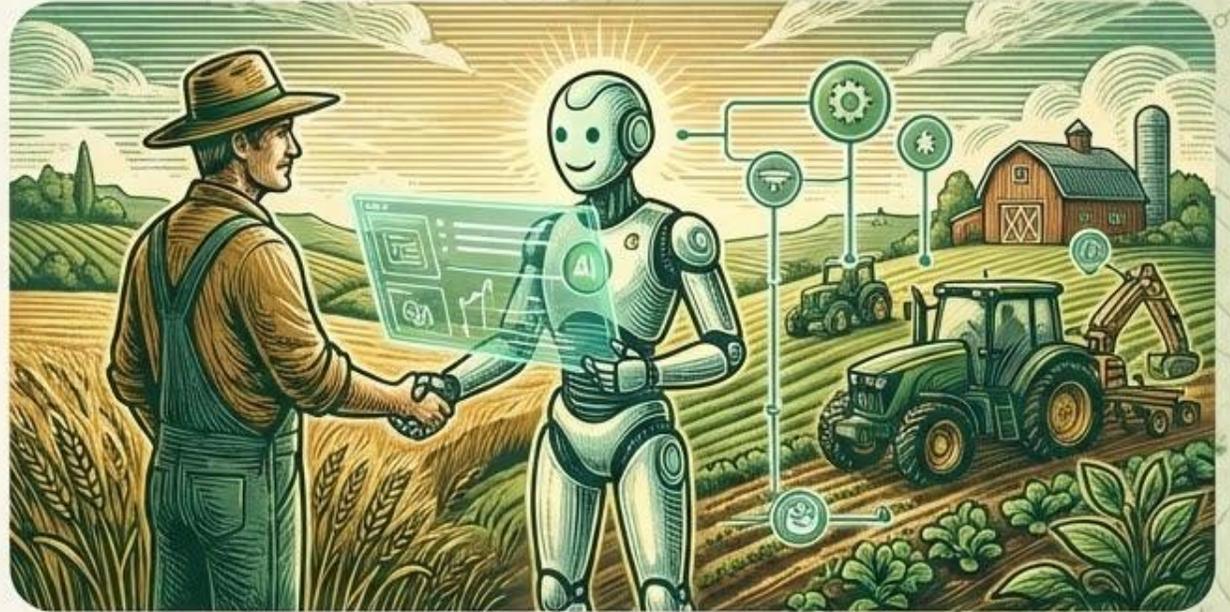
✓ **Why Now?**  
Reclaim your time, optimize resources, and secure your farm's legacy.



# UNLOCKING PRODUCTIVITY

## The AI Co-Worker Advantage

AI isn't just for tech giants; it's your 24/7 assistant to free up your hands and mind.



### Business

Finance, Grants & Business Plans



### Branding

Logos, Labels & Marketing Copy

# FINANCIAL & MARKET INTELLIGENCE



## 1. ROI & Cost Projections

Utilize **Gemini** or **Claude** to calculate precise Egg and Meat production costs.

- ✓ Feed conversion ratios
- ✓ Labor overhead tracking
- ✓ Sales & Profit ROI forecasting



## 2. Fair Market Valuation

Automate price monitoring across local auctions and digital marketplaces.

- ✓ Auction price trend analysis
- ✓ Regional market comparisons
- ✓ Real-time value determination

# OPERATIONS & STRATEGIC TECH



## 3. Smart Monitoring

Integrate sensors & cameras for real-time farm health and livestock security alerts.



## 4. Strategic Planning

AI-driven crop rotation and planting schedules based on yield projections.

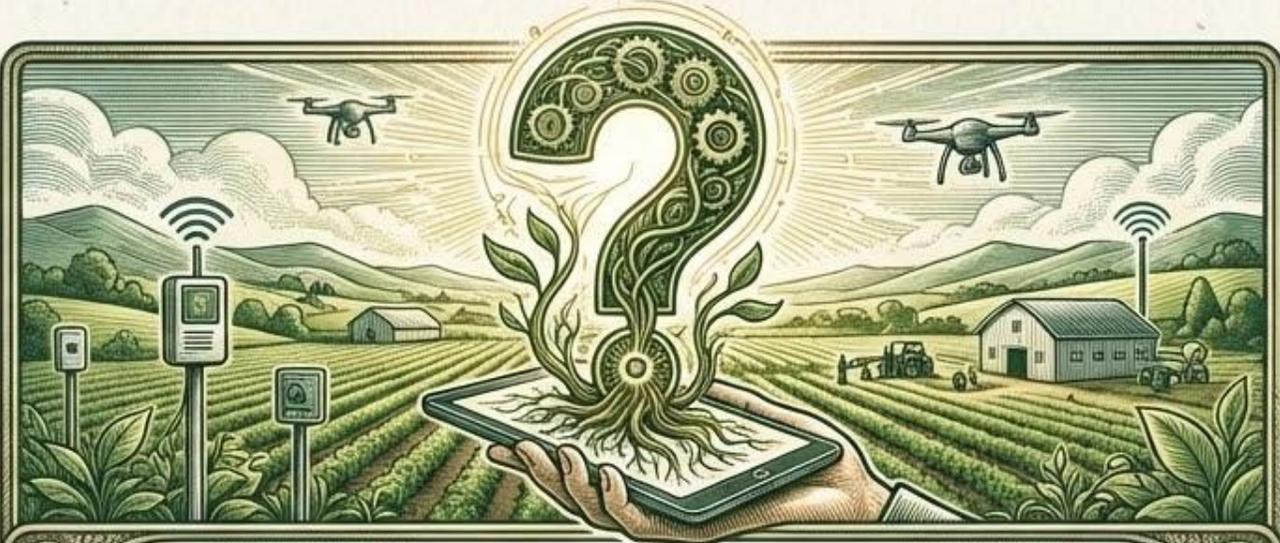


## 5. Operations Web

Build a custom operational hub via **Replit** using AI code generation.

# Questions?

The future of your farm starts with a single prompt.



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🌐 [Facebook](#)

# Resources



[Google Workspace:](#)

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[Replit - Website Builder AI Driven](#)

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[Claude Co-Work Pro](#)