

# Is AgTech Broken? Here's Our Fix.

***A compelling case for repeatable, economic, practical, scalable, sustainable, safe and secure Agri-Tech solutions.***











*A Beyond Farming™ Special Report*



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## Introduction:

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The agricultural technology industry is full of promise. But right now, it's under-delivering.

Billions of dollars have been poured into vertical farming startups, IoT sensors, LED arrays, climate control chambers — yet most indoor farms are struggling or shutting down.

Why?

Because the majority of solutions in today's AgTech space are **not designed to be REP4S:**

**Reliable. Economic. Practical. Scalable. Sustainable. Safe. Secure.**

They focus on growth — not consistency.

On buzzwords — not balance sheets.

On production — not purity.

At **Beyond Farming**, we believe it's time to rewire the foundation.

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## **The Food We Eat Is Making Us Sick**

Let's start with a hard truth: **modern food systems are broken.**



Heavy metals, pesticide residues, biological pathogens, molds, parasites — these are not rare occurrences. They are **routine contaminants** in global food chains that results in a never ending stream of recall events.

And if we're serious about building cities that operate on circular economies — reducing dependence on long-haul shipping by truck, train, plane, and boat — then the **food we grow locally must be better.**

Not just fresher.

**Cleaner. Safer. Verified.**







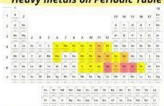






















This is why we're calling for a new baseline standard for urban-grown food:

**“Pure” should be the lowest acceptable standard in food production.**

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## What Does "Pure" Mean?

It means food grown without contamination — **no heavy metals, no chemicals, no biological risks.**

	Pesticide	Virus, Yeast, Parasite, Listeria, Salmonella, E. coli O157, Campylobacter, Mold Spore					Heavy Metals
							
Traditional							
Organic							
Pure							 

It means data-driven control, traceability, and transparency from **seed to fork**.

It means designing farms to meet — or exceed — the principles of **ISO 9001** quality management. Because if we wouldn't accept substandard quality in aerospace or pharmaceuticals, why would we accept it in what we feed our children?

## **Our Fix: Traceability + REP4S + Continuous Improvement**

To fix AgTech, we must stop building “smart farms” in a vacuum. We must build **systems** — holistic, integrated, and fail-resistant.

At Beyond Farming, our fix is already in motion:

### ◆ **REP4S First**

Our farms are designed for **Reliability, Economics, Practicality, Scalability, Safety, and Security** from day one — not as an afterthought.

### ◆ **Traceability Built-In**

Our **OS2 (v7.0) + ETCH Biotrace (v3.0)** platform traces every batch, rack, and facility — enabling audits, recalls, and certification-level quality control at scale.

### ◆ **Continuous Innovation**

We haven’t stopped R&D — in fact, we’re ramping it up. Our team meets every Friday to review their Kaizen improvement on our processes, our technology, and general operations.

Coming soon:

- **Sprout AI hardware v4.0** — lower cost, better root chamber design, optimized cubic meter use
- **OS2 software v7.0** — includes new AI prediction engine for cycle optimization
- **ETCH Biotrace v3.0** — robust traceability down to the plant, shelf, or gram

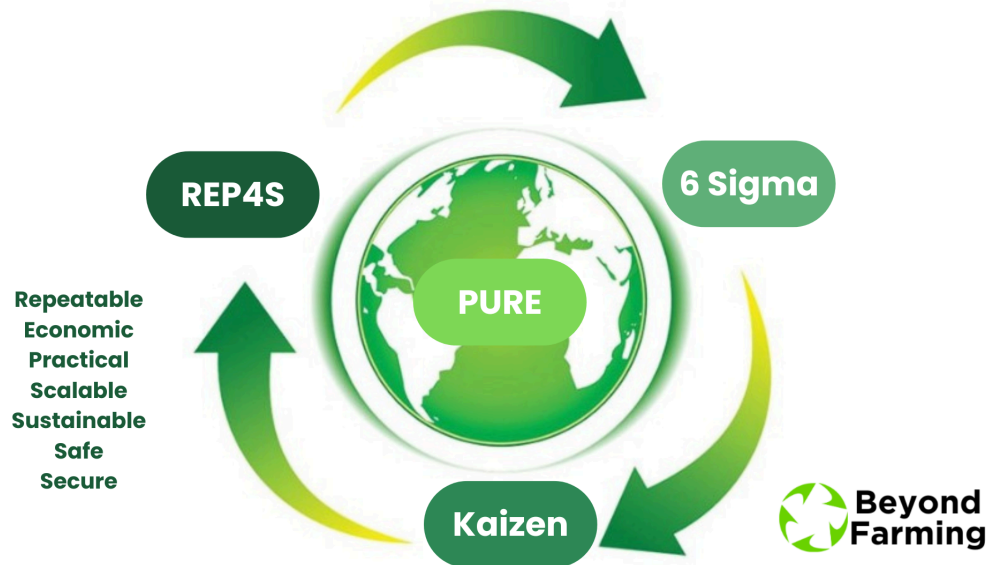
Together, this tech stack unlocks **new crop categories, longer shelf life, lower costs, and higher-quality produce** than ever before.

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## **The Path Forward: Kaizen. Lean. Six Sigma. Pure.**

We believe the only path forward is continuous improvement — not just in theory, but in process.



By embedding **Kaizen** principles, applying **Lean Manufacturing**, and incorporating **Six Sigma** into our farm operations, we create a system where failures are not just minimized — they are **designed out**.

And in their place?

**A clean, safe, secure food supply chain for urban populations and future generations.**



## A Circular City Deserves Circular Food

If cities of the future aim to eliminate waste, reduce imports, and improve air and water quality, then their food systems must evolve too.

Indoor vertical farming, done right, isn't just a novelty.  
It's a **necessary foundation** for the circular economy.



But to make it work —

- Food must be **fresh**, not just fast.
- **Traceable**, not just local.
- **Pure**, not just pesticide-free.
- **Designed**, not improvised.



## **Is AgTech broken? In many ways, yes.**

But at Beyond Farming, we're not discouraged.  
We're **rebuilding it — stronger, smarter, and cleaner.**

The revolution is already underway.  
And this is your invitation to go beyond.

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## **Stay Connected**

For updates, investment opportunities, and information on Pure Produce partnerships:

 **Website:** [www.beyondfarming.com](http://www.beyondfarming.com)  
 **LinkedIn:** [linkedin.com/company/beyondfarmingbyfm](https://www.linkedin.com/company/beyondfarmingbyfm)  
 **Facebook:** [facebook.com/beyondfarmingbyfm](https://www.facebook.com/beyondfarmingbyfm)  
 **Instagram:** [instagram.com/beyondfarmingbyfm](https://www.instagram.com/beyondfarmingbyfm)  
 **Email:** [mainweb@beyondfarming.com](mailto:mainweb@beyondfarming.com)

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## **Contact for Licensing, or Deployment**

For access to verified data, or Pure Produce licensing and CPC deployment:

 [mainweb@beyondfarming.com/get-started](mailto:mainweb@beyondfarming.com/get-started)

## **Contact for Investment**

For access to investment opportunities:

 [investment@beyondfarming.com](mailto:investment@beyondfarming.com)  
 <https://beyondfarming.com/investors>

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## **Verification Note**

All claims made in this report regarding Beyond Farming (BYFM) operations, technology, and purity standards are based on internal logs, controlled environment certifications, QA records, and peer-reviewed assessments conducted between 2022–2025.

Full audit trails and environmental sensor logs are available upon request for regulatory or institutional due diligence.

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**⚠ Forward-Looking Statements Disclaimer**

This report contains certain forward-looking statements within the meaning of applicable Canadian securities laws. These statements reflect the current expectations and projections of Beyond Farming (BYFM) regarding future growth, deployment targets, financial results, and market adoption. These statements are not guarantees of future performance and involve known and unknown risks, uncertainties, and other factors that may cause actual results, performance, or achievements to differ materially from those expressed or implied by such statements. Readers are cautioned not to place undue reliance on forward-looking statements. Beyond Farming undertakes no obligation to update or revise any forward-looking statements except as required by law.

**#PureProduce, #BeyondFarming, #FoodSecurity, #SustainableAgriculture, #AgriTech, #VerticalFarming, #CleanFood, #ESGInvesting, #FoodInnovation, #ImpactInvesting**