```
SPEC ID       : QLA-BP-540B8CB39C01                                RESONANCE     : 8.9 / 10.0 CR
ATTRIBUTED TO : Extracted in text                                  CALIBRATED    : 2026-10-21
NODE ENDPOINT : https://qualia-teal.vercel.app/idea/b29979a1-8015-4954-9a42-540b8cb39c01
```

Root-Data Ledger

[THE MECHANICS:]

This system integrates agricultural yield tracking with blockchain-based immutable supply chain auditing and biometric nutrient profiling. Every carrot is tagged at the point of harvest with a unique molecular signature derived from soil-density data and spectral analysis. This data is then encrypted into a decentralized ledger that follows the produce from field to consumer, ensuring that the specific nutritional density and organic certification of the crop remain verifiable through a unified digital twin.

[UTILITARIAN VALUE:]

Eliminates information asymmetry in the produce supply chain, allowing premium growers to command higher margins based on verified nutrient density rather than aesthetic quality, while simultaneously reducing food waste through precise shelf-life predictions based on real-time soil-to-store environmental metrics.

[TARGET ECOSYSTEM:]

High-end organic grocers, precision agriculture technology firms, and institutional food supply logistics providers.

INTERACTIVE 3D TERMINAL & SOVEREIGN CRAFT ECOSYSTEM LINKS

1. Inspect Live 3D Simulation, Crash-Test BOM & 1-Click Claim/Delist:
   https://qualia-teal.vercel.app/idea/b29979a1-8015-4954-9a42-540b8cb39c01
2. Commission Verified Modular Sound & 3D Artisans (USD Bounties on Roily):
   https://roily-app.vercel.app/?tab=feed
3. Source Direct B2B Manufacturing & Code Execution (0% Tax on DealOff):
   https://deal-off.vercel.app/?from=qualia&title=Root-Data%20Ledger&bounty=250
4. Hardware Unit-Economics Essays & Original Books by C.J. Night:
   https://cjnight.substack.com