AI Can’t Know Reality. That’s the Point.

Quantum physics reveals a deeper truth for AgTech AI: perspective shapes understanding.

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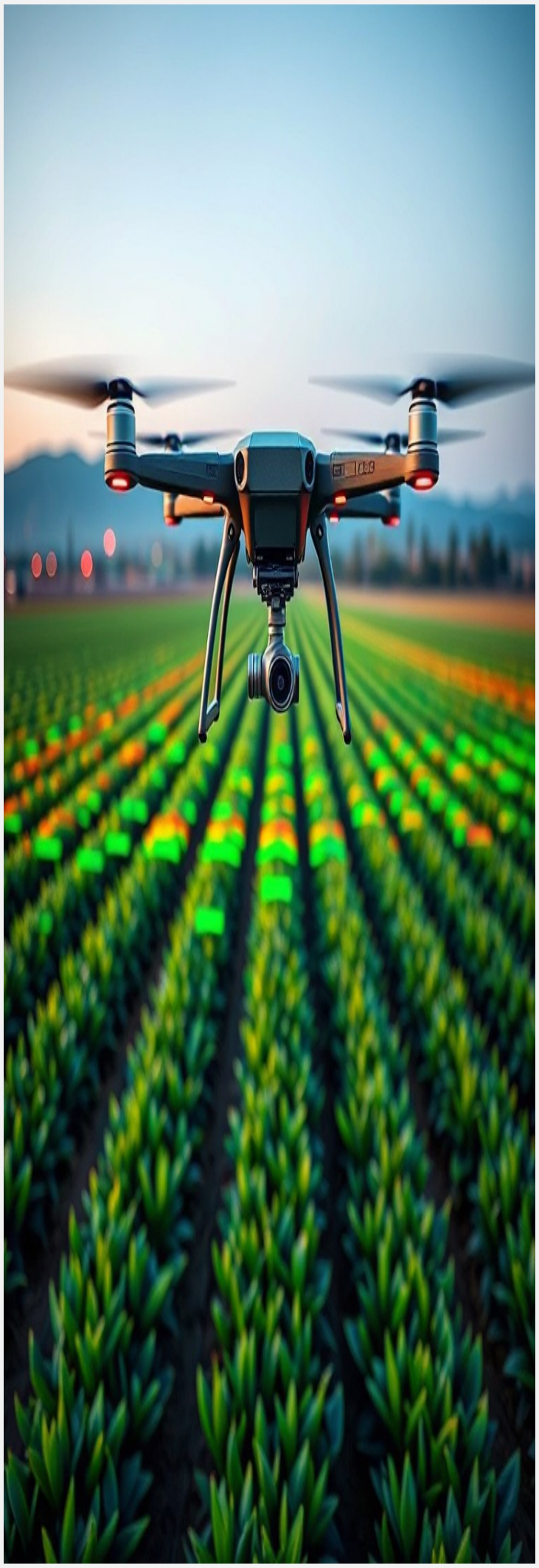
THE DATA

The world is more complicated than just a fundamental equation.

Core Insight from Rovelli's 2026 Book

This quote from Carlo Rovelli's new work reframes how AI systems must interpret complex, relational systems like soil health or crop behavior.

Rovelli argues that fundamental physics—often seen as the ultimate truth—is overrated. In agriculture, where systems are inherently relational (soil, water, temperature, plant response), this means AI models must stop seeking a single 'correct' equation. Instead, they must embrace multiple perspectives—like a sensor network observing different microclimates across a field.



Source: Nature · Published November 10, 2026
https://www.nature.com/articles/d41586-026-03626-7

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AI Must Be Relational, Not Absolute

This aligns with the work of land-grant researchers at institutions like Texas A&M and UC Davis, who are building AI frameworks that simulate multiple observational perspectives simultaneously—critical for precision irrigation and pest prediction.



02

Hubris in AI Is a Blind Spot

AgTech developers must build systems that acknowledge uncertainty—not by adding more sensors, but by embedding epistemic humility. This means modeling not just 'what is,' but 'what we can know from this perspective.'

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