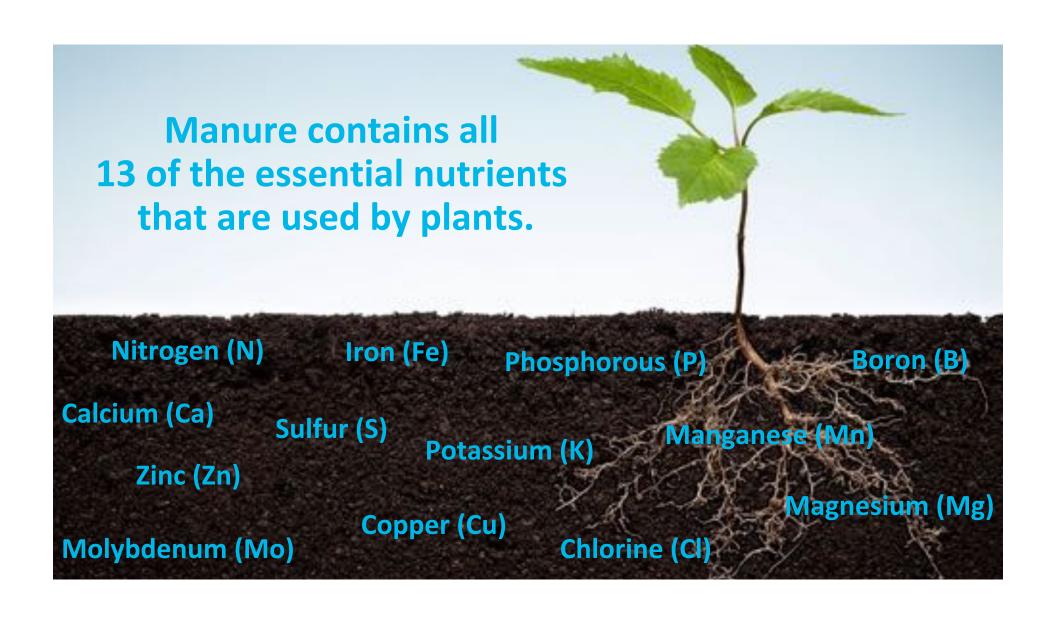


## **RESULTS:**

- 1. ↓ Manure expenses
- 2. 个 Productivity
- 3. 个 Corn yields 3-5 tons/acre
- 4. ↑ Haylage yields 1 ton/acre
- 5. 个 Cow health

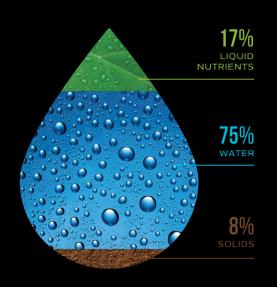


- Original cost: \$548,264 annually
- Installed LWR System in 2015
- Doubled herd size
- Increased crop yields worth \$153,000
- Now saves \$168,000 a year on manure













- First, we biohacked manure
- Then we re-branded manure as fertilizer
- Now we must establish manure as a vital part of the circular economy

## Dairy Digester Co-Benefits: Protecting the Climate While Cleaning the Air

Dairy digesters represent not only a proven source of significant GHG reduction, but also provide tremendous air quality benefits (reduction of NOx) through the replacement of diesel in heavy-duty freight with clean renewable natural gas.



Renewable Natural Gas (RNG) produced from dairy biogas is considered a <u>negative-carbon</u> transportation fuel that is

10 X More Efficient at Reducing GHGs

Electric 52
Vehicles

1 Cow can produce

100 Gallons of fuel

(Diesel Gallon Equivalents, or DGE) 500,000 Cows

> will soon enable the

annual production of

50 Million Gallons
(DGE), which will provide
1,100 tons of
NOx Reduction

## MANURE MIGITIZED

...analog manure is so last year!





## CHALLENGE



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