

Traceability of a Breakthrough Food Science Technology

Motivation / Background



45%
of produce is wasted globally¹

\$750B
in annual food waste¹

Edipeel™ coating **doubles**
the **lifespan** of harvested fruit **2X**

Key Question

What is a scalable process for end-to-end lot traceability of Edipeel™?

Relevant Literature

As seen in:



- FSPCA Preventative Controls for Human Food – Chapter 12
- Code of Federal Regulations Title 21 Food and Drugs; Part 117

National Geographic Nov'17

UNTREATED

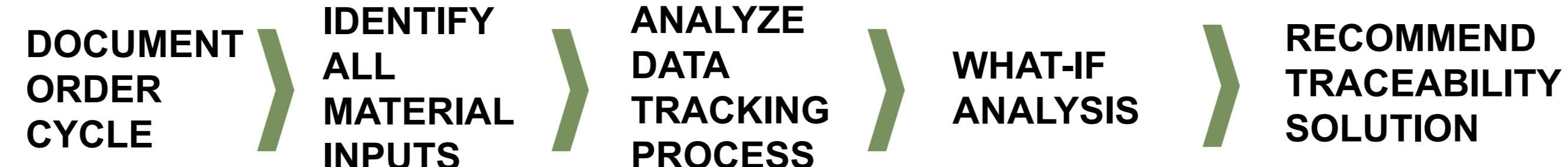


TREATED WITH Edipeel™

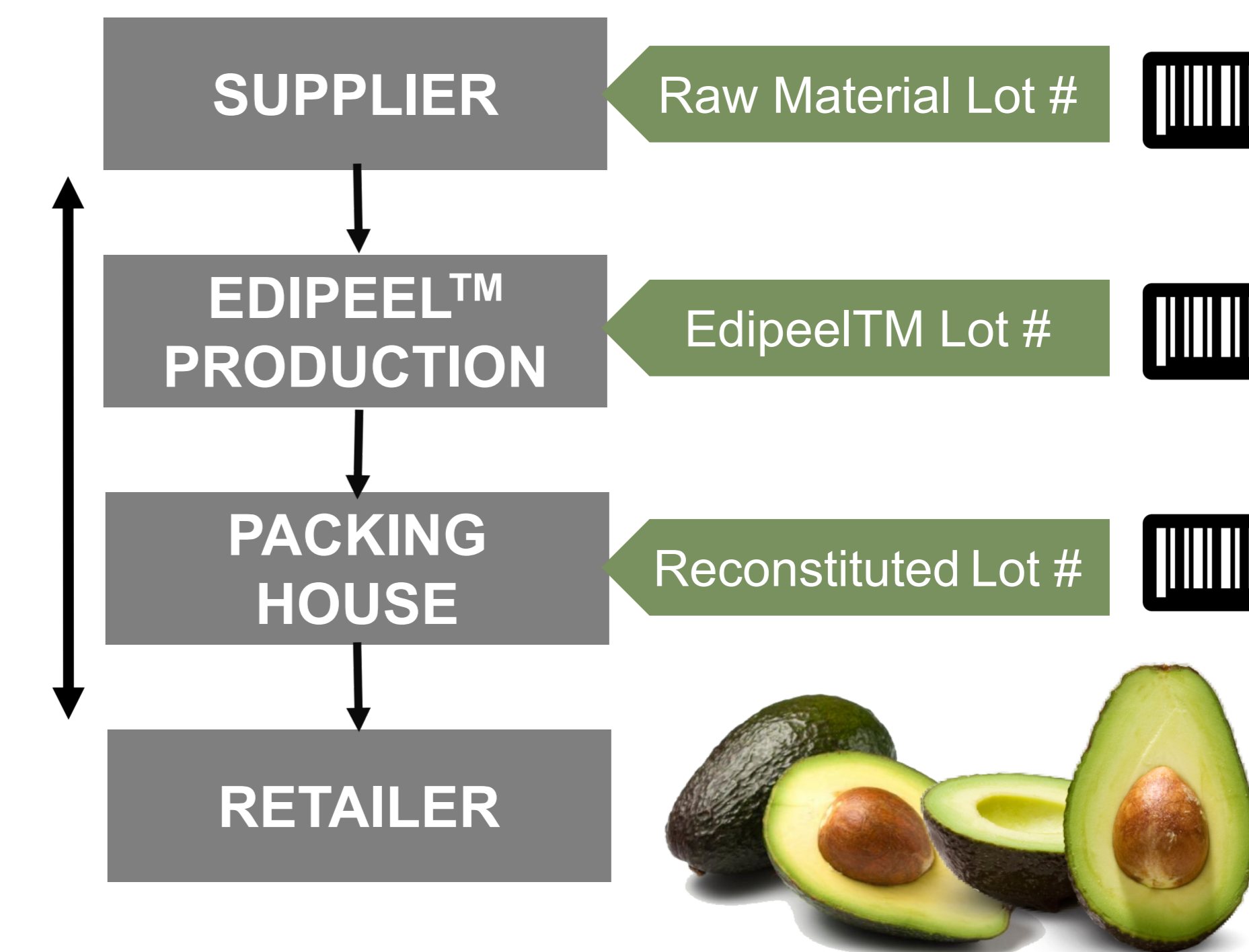
The Problem

- Edipeel™ production & distribution must comply with FDA regulations
- Ensure lot traceability from raw materials to final application
- Develop a compliant and scalable lot traceability solution

Methodology



Initial Results



KEY LEARNINGS

- Traceability to capture one step upstream & downstream of Apeel
- Nuances of a service model; e.g. title transfer and application
- Lots may be mixed at various stages; adds complexity for tracking

Expected Contribution

- Deliver a defined logic for merging and recording multiple lot numbers along Apeel's supply chain.

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