

Extended Producer Responsibility in the Agricultural Film Market



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EcoFarm Conference

Session F: Replacing Reducing and Recycling On-Farm Plastic
Friday, January 25, 2019

Driving innovation in agriculture

- Crop covering (mulch films, vine cover)
- Pest and disease control (fumigation, solarization and other barrier films)
- Crop irrigation (lay flat flood and micro tape or tube)
- Crop and feed storage (bunker cover, ag bag, almond cover)
- Produce processing (bin liners, pallet covers)

Easy to Use

Cost Effective

Improves Yield

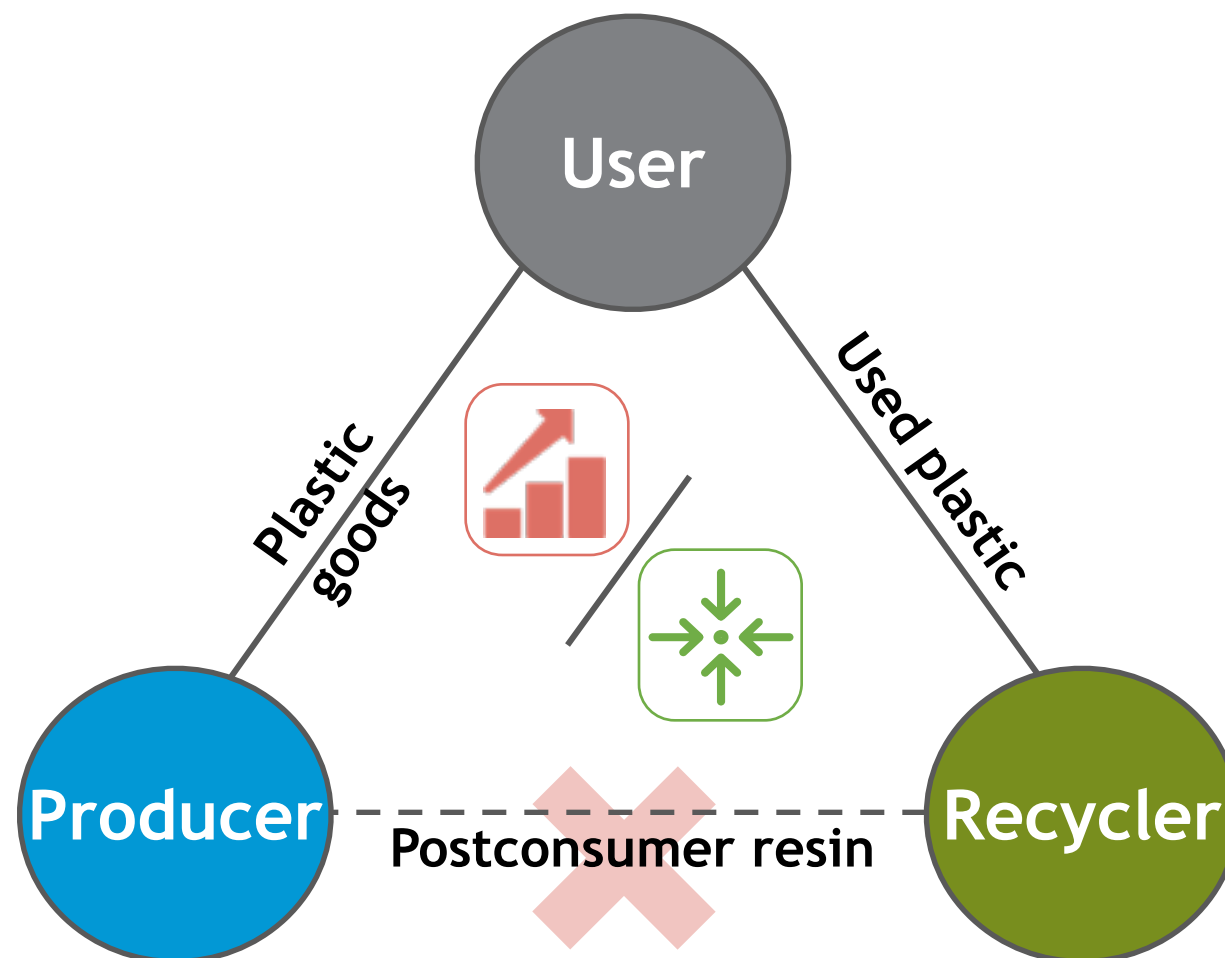


Increasing Film Supply

- Improve crop yields
- Minimize farm operation costs
- Easy to use

Growing Eco-Demands

- Consumers want more sustainable growing practices
- Groundswell of environmental legislation against single use plastic



Producer Decisions Effect Recyclers



Cause



Effect

- Design products with multiple base materials
- Deficient product design introduces auxiliary material



- Multi-material products cannot be recycled
- Increase sortation costs and erratic recycling success

Producer obligation to **integrate** all stages of a product's lifecycle into design and distribution

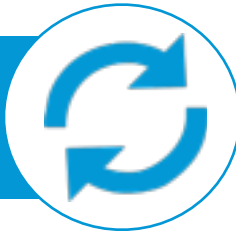
Design with recycling in mind



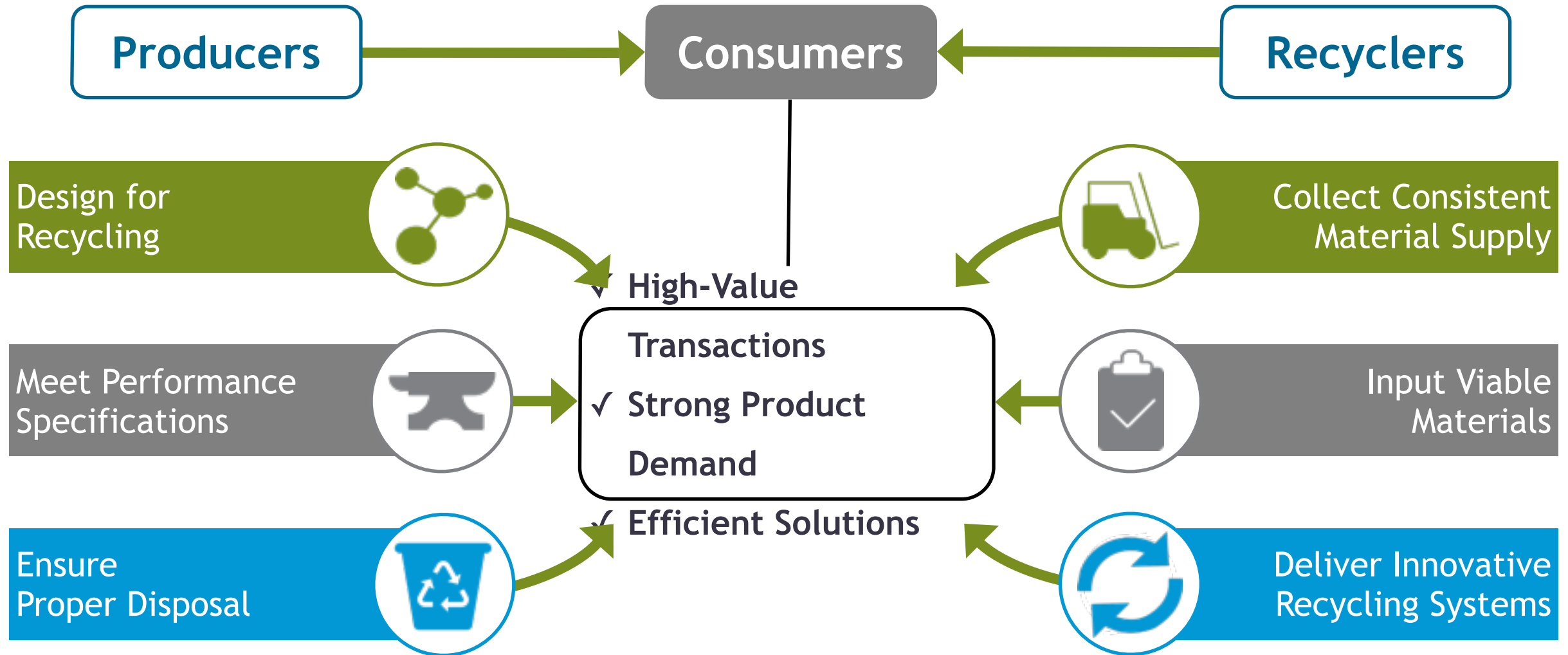
Maintain performance standards



Ensure proper disposal



Finding A Successful Solution



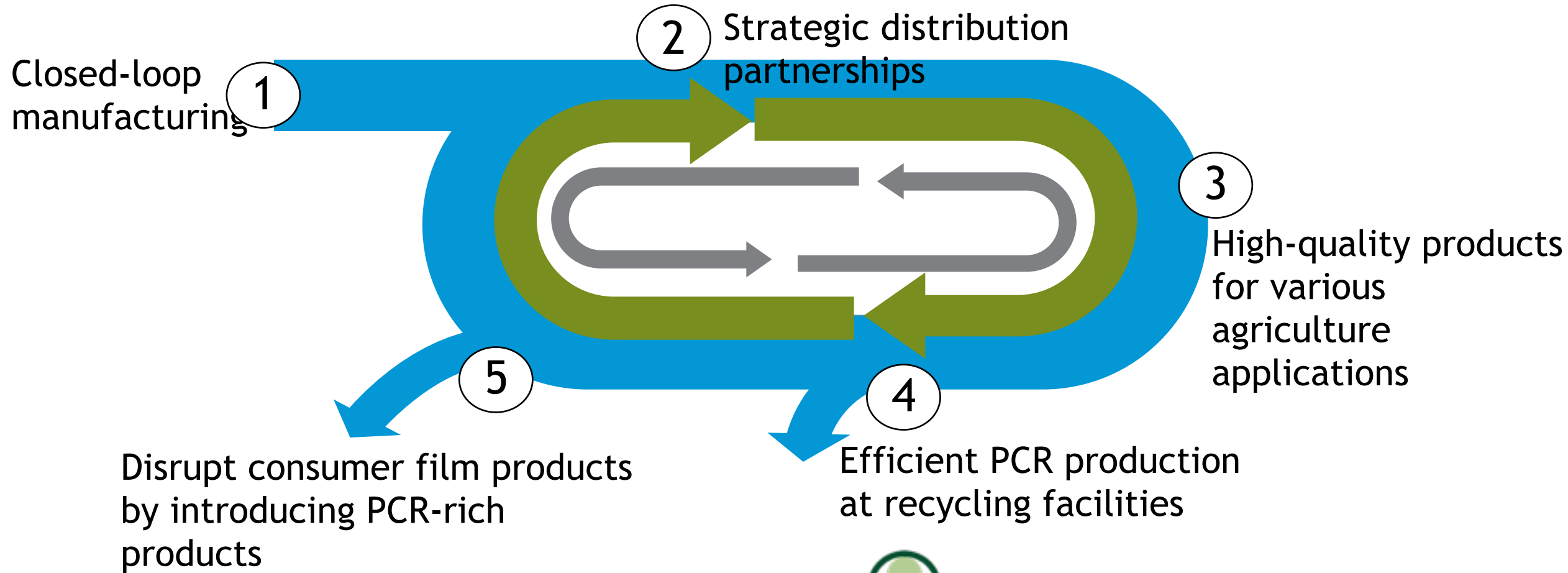


Revolution: Believe in Better Plastics

We believe in better plastics that help preserve our environment for future generations. Through our revolutionary manufacturing, collection and recycling process, we provide our customers with truly sustainable plastic products.

We take responsibility for our footprint by pairing 220+ million pounds of film manufacturing with 220 million pounds of recycling capabilities





encore

Closed Loop



Polytubing



Vine Cover

Tarp Cover

Out Loop (Single-Use Products)



Carryout Bags



Liners, Covers, Plastic Lumber



Collection Methods

Grapple Trucks



Fleet of over 60
grapple trucks



Dumpsters / Roll-offs



Over 4,000 roll-offs
and dumpsters



Collection Agreements



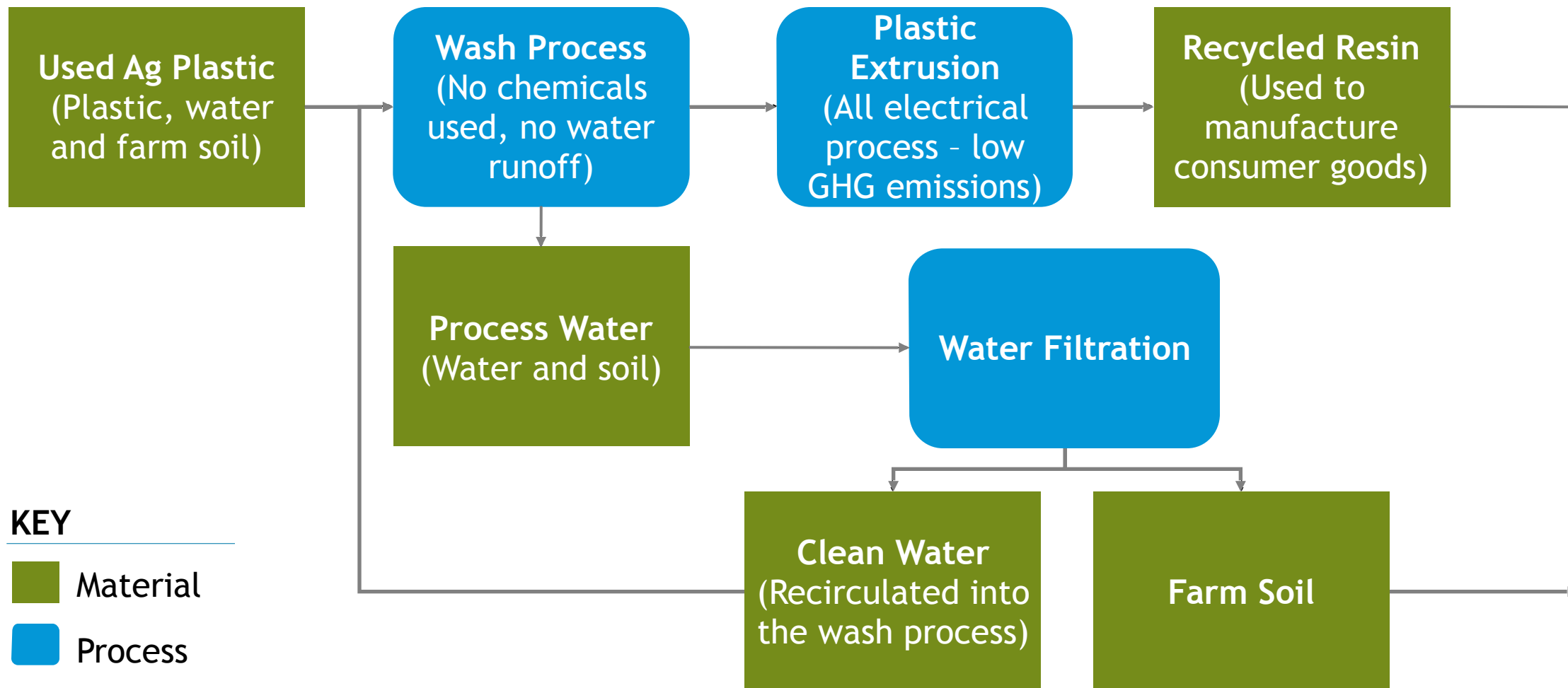
Agreements with ag
plastic
manufacturers and
3rd party waste
haulers

Specialized Recycling Process

220 Million Pounds of Recycling Capabilities

200 million in Arkansas

20 million in
California

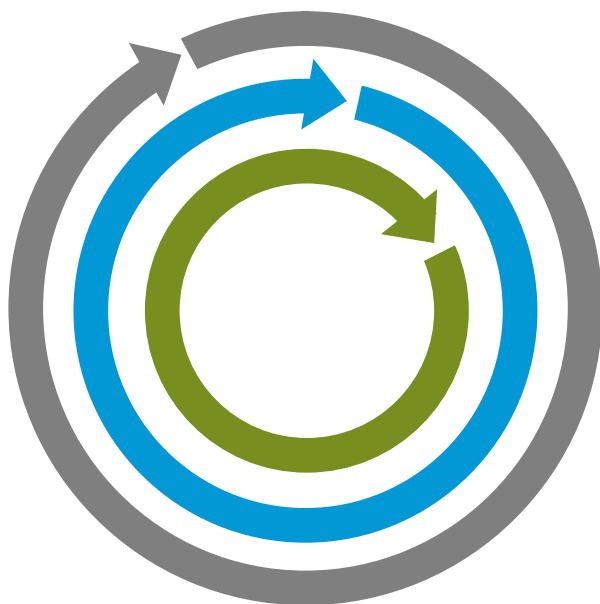


KEY

 Material

 Process

Leading Almond Processing Co-op



Goal: Close the Loop for Almond Growers and Processors

2016

- ✓ Offer film collection services for co-op statewide



2017

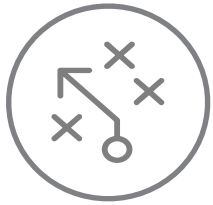
- ✓ Decrease labor costs with film removal equipment



2018

- ✓ Introduce recycled content product comparable to market specifications

Playbook for Success



Mission: Enable a closed loop process for a manufacturer improving their practices

Action: Collaborate with manufacturer to educate growers about plastic best practices

Vision: Develop drip irrigation custom PCR to unlock a 3rd party closed loop system in perpetuity

Introduce the Missing Link to Close the Loop

Production & Sales

Irrigation Use

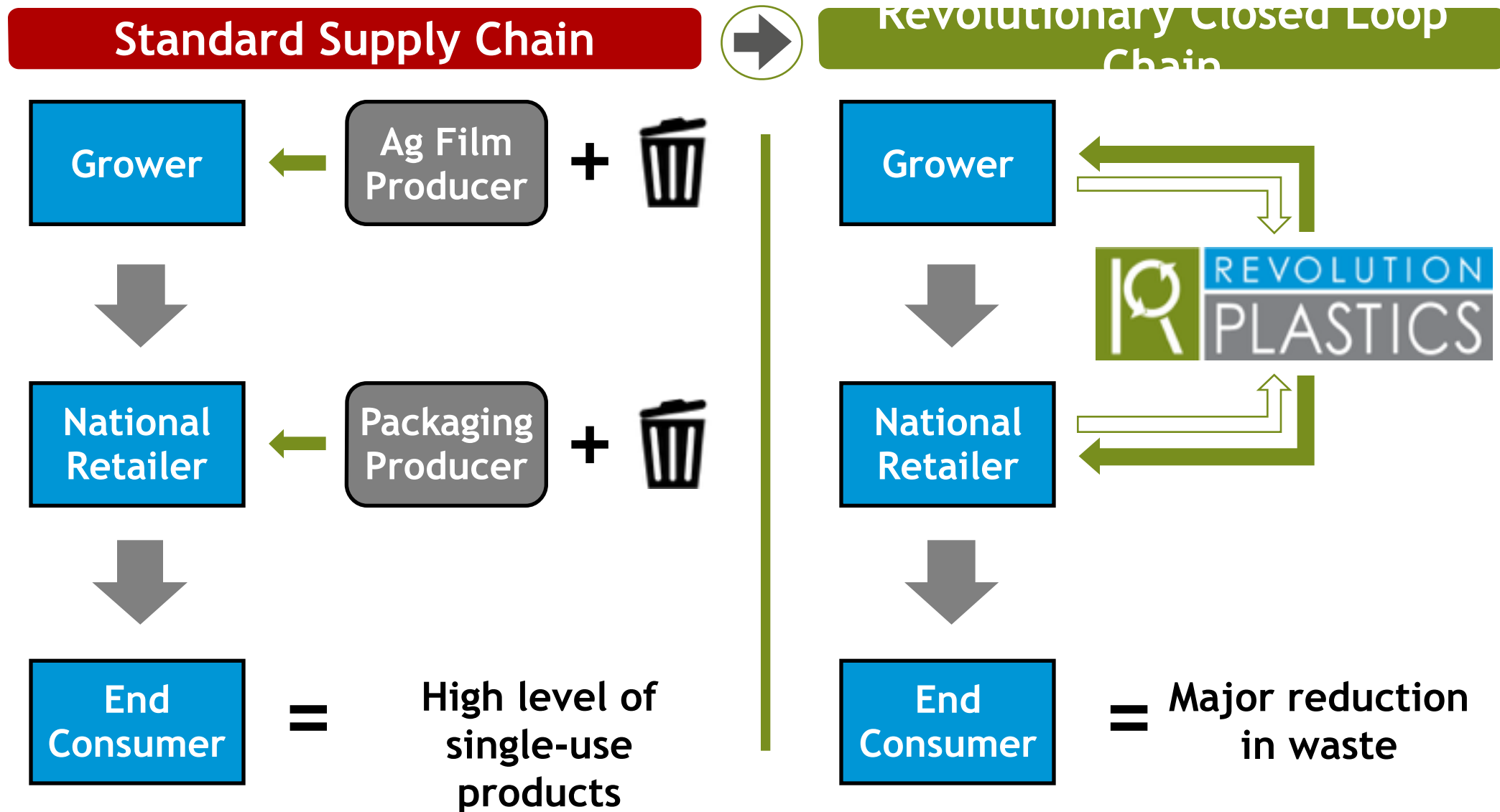
Recycle

Drip Irrigation Company

Growers & Farmers



Consumer Focused Case Study



Consumer Interests:

- Desire for recycled product
- Growing demand for eco-friendly supply chain



The Good Plastics People

We are a family unified by a single, powerful mission: creating better plastics that help preserve our environment for future generations.

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