vision: waste is not a burden, but a resource

action: create biodegradable plastics from organic waste
albert

30+ years farming fruit and vegetables
mulch film

blocks weeds
retains soil moisture
improves crop yields
$250 million cost to US farmers annually

labor intensive removal
100 acres = $50,000 cost
lignin: natural polymer in all trees and grasses
research-backed, defensible technology
same process, no disposal, profits boosted
customers want affordable AND biodegradable

- Oil based plastics: lowest cost, not degradable
- Starch based plastics: expensive, can't control degradation time
- Grow bioplastics: lowest cost, multiple degradation times

PROTECTABLE TECHNOLOGY
NOBODY ELSE DOES GETS DEGRADATION QUITE RIGHT
Degradable Lignin-Polymer Alloy

Grow Bioplastics’ Technology

Renewable Bioplastic

Waste Lignin

Technology summary and applications

Automotive

Medical

Agriculture

Space Fill Packaging

Textiles

3D Printing

Consumer Packaged Goods
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3D Printing

Textiles
grow bioplastics’ team

Tony Bova
Co-Founder, Chief Executive Officer

Jeff Beegle
Co-Founder, Chief Science Officer

Danielle Cowan-Banker
Biosystems Engineer

Ryan Kemp
Director of IP

Ricardo Corona-Moreno
Product Lead

Madison Chan
Intern

Christine Ajinjeru
Intern

McKensie Nelms
Intern
active & engaged advisors

Lynn Youngs, CPA
Veteran COO & CFO

Pete Nelson
AgTech Innovator

David Morehous
Contract & Startup Law

Daniella Russo
Plastic Accelerator CEO

Amit Naskar, PhD
Materials Chemist
award-winning and investable story

16 competitions, 11 prizes totaling $132,000

$229,000 in grants, $100,000 in investment
industry accelerators & networks

agriculture
- AgWorks
- American Farm Bureau Federation
- Ag Innovation Development Group
- VillageCapital

plastics & cleantech
- Think Beyond Plastic
- GC3 Green Chemistry & Commerce Council
- Ellen MacArthur Foundation
- ACS Green Chemistry Institute
- Launch Tennessee

other
- MegaWatt Ventures
- Rice Business Plan Competition
- EFN Enterprise Futures Network
- National Cleantech University Prize U.S. Department of Energy
you can help!

PARTNERSHIPS & TEAM
- Research Opportunities
- Bioeconomy Networking
- Product Co-Development

CONNECTIONS
- Plastic Converters
- Ag Distributors
- Farms, Greenhouses & Nurseries

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