

# PBPC

Plant Based  
Products Council 

# About PBPC

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- Launched in January 2019
- U.S.-based trade association representing companies large and small who are committed to advocating for a shift toward a more circular economy through greater adoption of renewable, plant-based materials supported by appropriate end of life infrastructure
- Members include:
  - ADM
  - Cargill
  - Danimer Scientific
  - Genpak
  - Loliware
  - NatureWorks
  - Novamont
  - PepsiCo
  - SmartSolve
  - Sway



# Breadth of Plant-Based Products

## DIVERSE PRODUCTS



Household  
Cleaners



Furniture



Building  
Materials



Personal Care  
Products



Food Service  
Ware



Textiles



Packaging



Auto Parts



Office  
Supplies



Toys



Medical  
Supplies



Footwear

## DIVERSE FEEDSTOCKS



Agricultural  
Residue



Algae



Bamboo



Sugar Cane



Hemp



Sugar Beet



Wood



Dent Corn



Cassava (aka Yucca)



Rice Husk



Palm Leaf



Soy Beans

# Plant-based Products in the Circular Economy



# Environmental Benefits

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Municipal  
Waste



Soil  
Health



Greenhouse  
Gas Emissions



Water  
Quality

# Addressing Climate Challenges

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Biobased products displace about **9.4 million barrels of oil** a year.



Biobased products have the potential to reduce greenhouse gas emissions by an estimated **12.7 million metric tons of CO<sub>2</sub>** equivalents per year.

Source: [USDA "An Economic Impact Analysis of the U.S. Biobased Products Industry" \(2019\)](#)

# Environmental Benefits - Examples

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- **Biopolymer – Ingeo PLA (NatureWorks)**
  - Production process yields ~80% less greenhouse gas emissions and uses approximately 52% less non-renewable energy than traditional polymers
- **Bio-polyester (Virent)**
  - Performs identically to traditional polyester because it is chemically identical
  - 25-50% reduction in CO<sub>2</sub> footprint
- **Bio-based Performance Fibers (DuPont Sorona)**
  - 37% renewably sourced by weight
  - 30% less energy and 63% fewer greenhouse gas emissions (v. nylon)

Sources

NatureWorks: [Eco-Profile](#)

Virent: [Sustainability](#)

DuPont: [Building a Circular Economy](#)

# U.S. Economic Impacts of the Bioproduct Industry (USDA – 2017)

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CONTRIBUTED A TOTAL OF  
**\$470B**  
VALUE ADDED TO THE  
U.S. ECONOMY



GENERATED  
**2.79**  
JOBS IN OTHER SECTORS  
OF THE ECONOMY FOR  
EVERY BIOBASED JOB



SUPPORTED A TOTAL OF  
**4.6M**  
AMERICAN JOBS THROUGH  
DIRECT, INDIRECT, AND  
INDUCED CONTRIBUTIONS

Source: [USDA "An Economic Impact Analysis of the U.S. Biobased Products Industry" \(2019\)](#)



# PBPC's Focus

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**POLICY ADVOCACY**



**EDUCATION**



**COLLABORATION**

# Policy Priorities



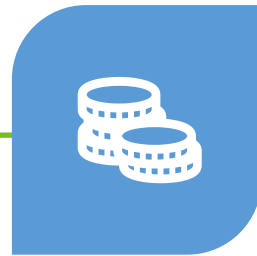
ESTABLISH BIOBASED  
PRODUCT MANUFACTURING  
NAICS CODES



ESTABLISH COMMON  
INDUSTRY TERMINOLOGY



MODERNIZE AND GROW  
USDA'S BIOBASED MARKETS  
PROGRAM



FUNDING FOR COMPOSTING  
INFRASTRUCTURE

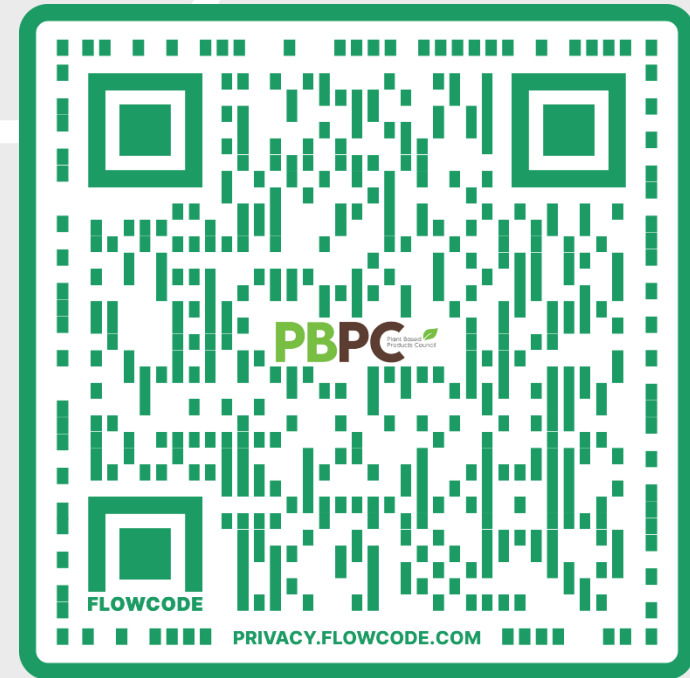


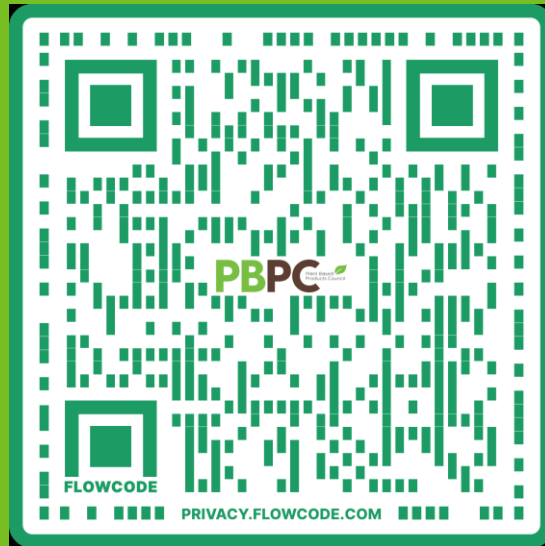
INCENTIVES THAT CREATE A  
LEVEL PLAYING FIELD



PRESSING FOR FAIR POLICY  
TREATMENT OF BIOPLASTICS

Learn more about the climate  
benefits of plant-based  
products





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