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New Products, New Uses, New Jobs The BioPreferred Program Challenge

Products from Agriculture, Forestry, and Marine Materials



Paint from soybeans



Single Use Plates from corn



Fabric from wood pulp and agricultural waste



Detergents from enzymes and biobased surfactants

Biobased Products and Secretary Vilsack 2022 Priorities

Addressing Climate Change via Climate Smart Agriculture & Forestry

- Plants sequester carbon, removing carbon from atmosphere, so products from plants are more sustainable.
- The use of biobased products instead of petroleum counterparts would displace about 9.4 million barrels of oil per year according to latest economic report.
- Potential GHG reductions from the biobased products industry are estimated at 12.7 million metric tons of CO2 equivalents per year according to latest economic report.
- Many biobased products are manufactured near farm gate reducing transportation issues.

Advancing Racial Justice, Equity and Opportunity

- Products made from agriculture, forestry, and marine materials create jobs and improve outcomes for farmers and new opportunities in manufacturing.

Creating More and Better Market Opportunities

- Innovative biobased products create new markets for farm commodities and increase export opportunities.

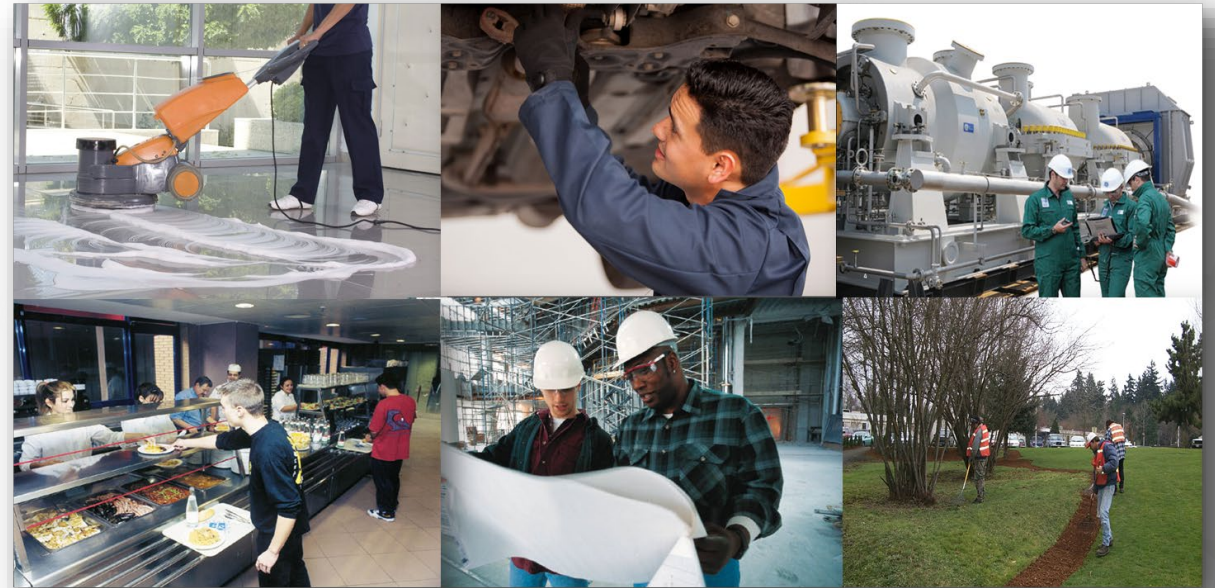
The Mission of the USDA BioPreferred Program

- spur U.S. economic development
- create new U.S. jobs
- provide new markets for farm commodities
- reduce our reliance on petroleum,
- increase the use of renewable agricultural resources,
- reduce adverse environmental and health impacts.



The BioPreferred® Program

- Managed by U.S. Department of Agriculture (within Rural Development)
- Established by the 2002 Farm Bill
- Expanded in the 2008, 2014, and 2018 Farm Bills
- Identifies and seeks new markets for biobased products
- Two major program elements
 - Mandatory Federal Purchasing
 - Voluntary Labeling Program
- Market Push, Market Pull



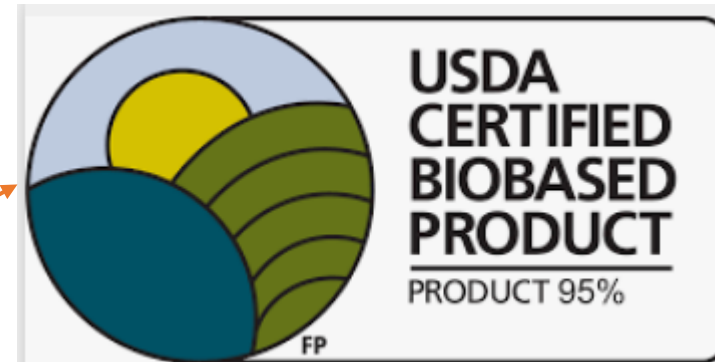
USDA BioPreferred Program: Mandatory Federal Purchasing

- Federal agencies and federal contractors required to buy biobased products in categories designated by USDA
- Currently, 139 diverse categories including cleaning products, motor oils, lubricants, and adhesives
- About 17,000 products in BioPreferred Program catalog that qualify for mandatory federal purchasing



USDA Certified Biobased Product Label

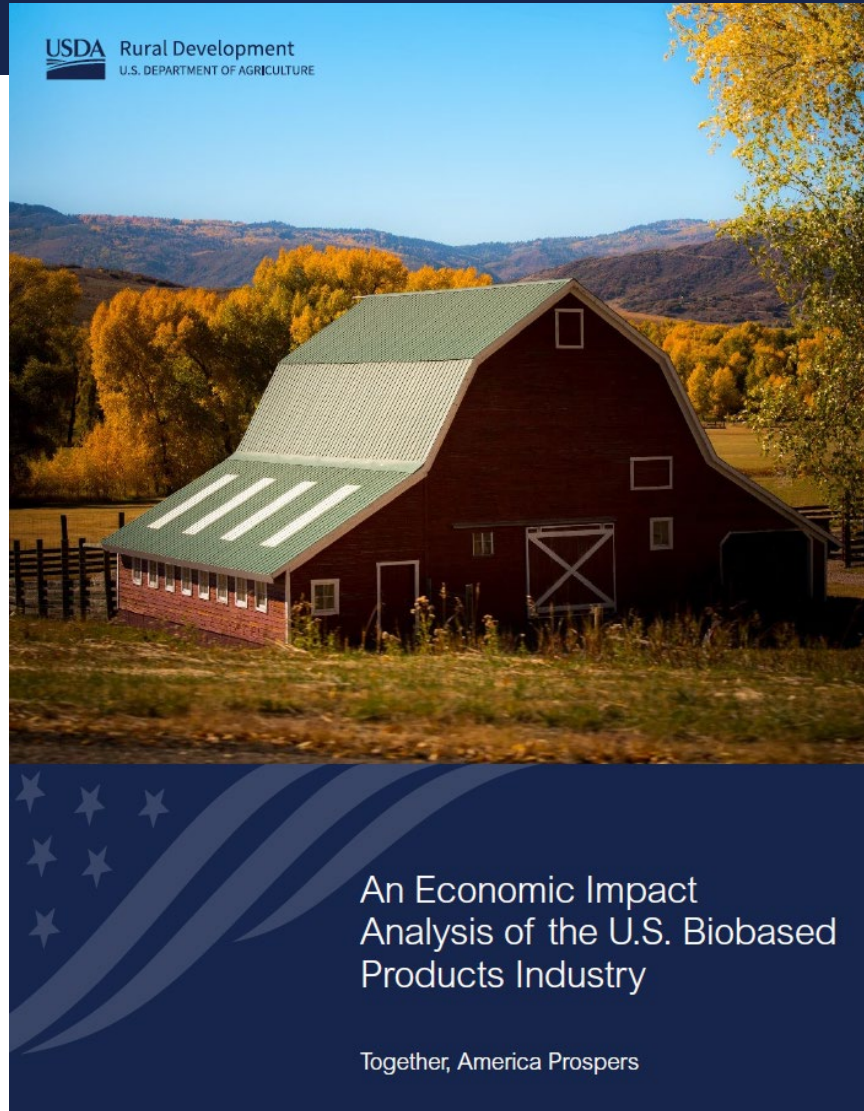
- To make it easier to locate biobased products, companies can apply to have their product tested and “certified.”



Indicates that this product is 95% biobased

FP indicates product qualifies for preferred federal purchasing

A Series of Economic Reports Commissioned by USDA



Focus of Each Report

2015: National Level

2016: State Level

2018: National Level & Exports

2019: State Level & Exports

An Economic Impact Analysis of the U.S. Biobased Product Industry
(2019)

Key Findings: Overview of 2019 Report

The Number of
People Employed

**4.6
Million**

in the U.S.
Biobased Products
Industry in 2017

Value added
Contribution to the
U.S. Economy

**\$470
Billion**

from the U.S.
Biobased Products
Industry in 2017

The Jobs
Multiplier

2.79

For every 1
Biobased Product
industry job, 1.79
more jobs are
supported in the
United States

Today in the BioPreferred Program

- 10th Anniversary of the USDA Certified Biobased Product Label
 - Over 5800 USDA Certified Biobased Products
- Over 17,000 products in the BioPreferred Program Catalog
 - Manufacturer’s voluntarily “register” their qualifying products
- Over 3400 companies participate in the Program
- Federal Service and Construction Contractors Reported 76 Million in Biobased Product Purchases in FY2021

Top 5 Biobased Product Categories Certified This Year

Intermediates - Chemicals

Intermediates – Paints and Coatings

Erosion Control Materials

Intermediates – Fibers and Fabrics

Intermediates – Plastic Resins

How YOU Can Support Farmers, the Economy, and the Environment

- Purchase biobased products for home and office use
- Spread the word – make biobased a household word!



These are biobased products currently being used by BioPreferred Program staff in their homes

Thanks!



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