



# Continued Sector Growth Benefits Every State—and the Environment

## USDA Report Analyzes Impact of Biobased Products Industry

Approximately 2.1 million farms—99% of which are operated by families—drive a growing and innovative nationwide bioeconomy.

Several case studies are featured in the Economic Impact Study from states like the ones below. . .



### Georgia:

Okabashi Brands incorporates both recycled and biobased materials into their sustainable and stylish footwear products. Plus, customers return old sandals, which are ground up and recycled to create new products.



### Kansas:

As both a formulator and compounder, Green Dot Bioplastics is helping to reduce the impact of plastics and add value through its own biodegradable polymers, which can be found in biodegradable plant pots, paddleboards, composite fencing, and toys.



### Michigan:

Nanosystems produces chemicals for foam derived from soybeans, corn, and vegetable oils as an alternative to petroleum. These liquid building blocks for foam are found in everything from surfboards to ear plugs.



### Illinois:

Illinois was ranked first in the list of Top 10 states for the biorefining sector, with 16% growth from 2013 to 2017. Biorefining is an innovative alternative to the production of petroleum-based materials, an important part of emerging biobased economies.



### North Carolina:

In North Carolina, Sealed Air Corporation is meeting demand for more sustainable packaging used with convenience foods and ready meal kits, as well as for protective mailers delivering e-commerce products.



### Pennsylvania:

Made from sugarcane, Braskem's biobased polyethylene (PE) material is used in multiple applications, including detergent bottles, synthetic cork, plastic bags, hard hats and tubes for personal care items.



### New York:

Mushrooms are being used by Ecovative Design to grow a novel class of renewable biomaterials that provide sustainable alternatives to plastics and foams commonly used in packaging and building materials.



### New Jersey:

With headquarters in New Jersey, Croda International makes hundreds of biobased ingredients used in formulating everyday products for consumers, including ingredients that prevent mixtures, such as oil in water, from separating.



### Texas:

From 2013 to 2017, Texas increased its economic contributions to the biobased products industry by 24% and is now ranked 4th on the list of Top 10 states having a direct effect on the industry.



### California:

California earned the top spot as an economic contributor (dollars and jobs) to the biobased products industry—increasing its contributions by 17% from 2013 to 2017.



### DC:

The U.S. Government committed to purchasing more than \$453M in biobased products in fiscal year 2017.

