

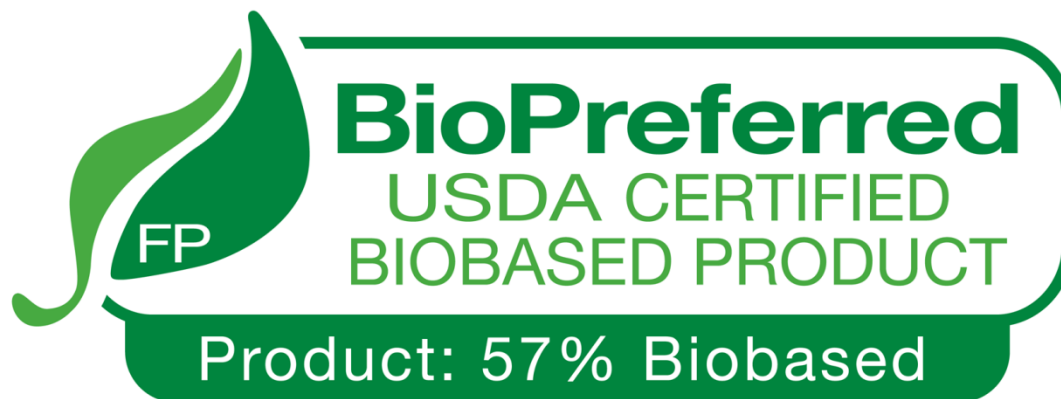
# Counties Have Hundreds of Soy Biobased Products to Choose from to Go Green

Karen Coble Edwards  
United Soybean Board Consultant

[www.soybiobased.org](http://www.soybiobased.org)



# Federal Government Going Biobased



- 2002 and 2008 Farm Bill require all agencies to buy biobased.
- President Obama's Executive Order 13514 commits the government to a 28 percent reduction in greenhouse gas emissions from federal operations



# State Biobased Programs Growing



# Soybean Sustainability

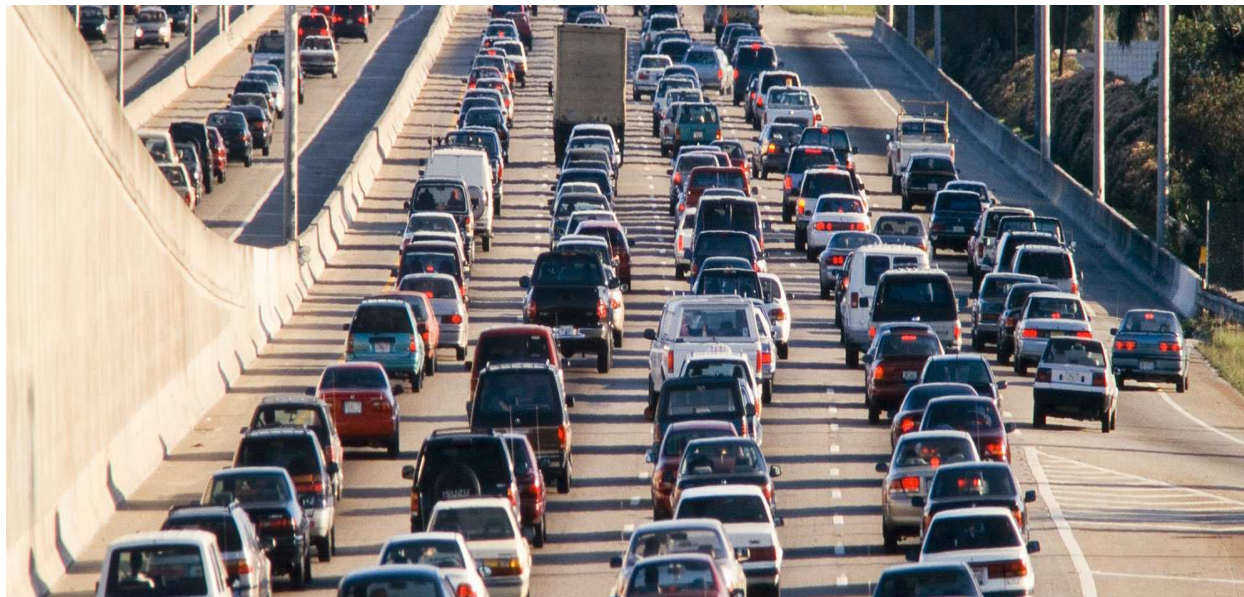
[www.soybiobased.org](http://www.soybiobased.org)



# Key Findings on Soybean Production and Processing

As soybeans grow, they remove greenhouse gases from the atmosphere.

The **3.36 billion bushels of soybeans grown in the United States in 2009 removed the carbon equivalent of taking 21 million cars off the road** when the figures are computed using the Environmental Protection Agency's Greenhouse Gas Equivalencies Calculator.



# CRADLE TO GATE

< Farmer to Product >



Soybean Farming



Soybeans



Soybean Processing

Crude Soybean Oil (20%)



Soy Oil Refining



Soybean Meal (80%)



Animal Feed

Human Food



# Soy Furniture to Floor Coverings



# Ecopath Mats Have Soy Backing





# Lake County, Illinois Road & Bike Path Sealant



# Nutek Green Products



# Remanufactured Printer Cartridges & Soy Toner



HP® 1012™



HP® 1200™



HP® 1300™



HP® 4000™



HP® 4100™



HP® 4200™



HP® 4250™



HP® 4300™



HP® 4345™ MFP



HP® 4350™

Premium Replacement  
Cartridges with Bio-Content



## Put The Power Of Soy To Work

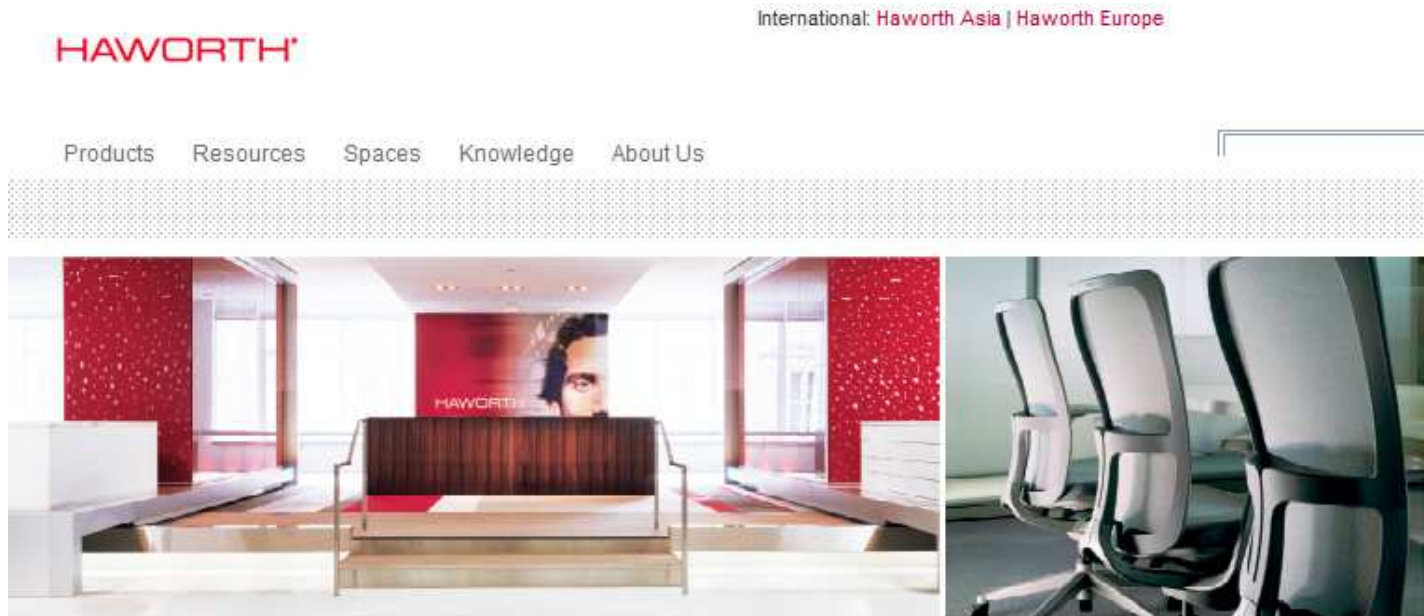
Zep® Soy-Based Cleaners/Degreasers

**Cleaners/Degreasers  
Industrial Lubricant  
Industrial Hand-Soap  
GreenLink certification program**

**Most products 90% soy methyl ester  
Stable price market  
Locally grown and refined  
Lower flashpoint=less hazardous  
Lower VOCs**

# Soy Products (Haworth)

- Exploring use of soy-based adhesives for furniture and carpet
- Create zero-waste products (chairs)



# Soy Products (Garland)

- StressPly E: Soy-based roofing membrane
- Insul-Lock HR: Soy-based insulation adhesive
- Expanding line of soy-based products over the next 12-18 months
- “Green House” family of products for recycled or energy-saving solutions



# Counties Using Soy-based

**Lake County, IL** soy-based sealant and preservation agent to prolong the life of a heavily-used bike path

**King County, WA** soy-based trash bags in food-waste recycling program and Soy-based inks for printing

**Douglas County, OR** using a soy lubricant in Fleet Management.

**Georgia Association of Counties** installation of soy-based carpet

**Arlington County, VA** Distribution of soy doormats.

**Pima County, AZ** use of soy-based cleaning products in county schools.

**Let us know if you would like to try some soy biobased products. The United Soybean Board will support demonstration projects.**

**Contact:**

**Karen Coble Edwards**

**United Soybean Board Consultant**

**[karen@kcegroup.com](mailto:karen@kcegroup.com) or 703-281-7600**

