REDUCING YOUR ENVIRONMENTAL FOOTPRINT WITH SOY BIOBASED PRODUCTS

Chris Case, NPS (Retired) and USB Biobased Consultant
Biobased Products

- Products made from biological materials, including renewable agricultural, forestry, and marine materials.
- One source of these materials is soybeans; others are corn, sugar cane, plant residues, wood, etc.
- Food products are excluded.
How large of an environmental footprint will my actions leave today?
How Low Can You Go!

HMIS

GET those numbers down

Try to Zero Out

NFPA

1. Slight Hazard
2. Moderate Hazard
3. Serious Hazard
4. Severe Hazard

PERSONAL PROTECTION
Custodial and Cleaning Products

Wide variety of products available that PERFORM!

There are products available that will work for you!
Fleet Operation
There’s more to greening a vehicle than just Fuel!

Biobased Fluids, Greases, Oils & lubricants
Shop Operations
Also consider GREENING Fleet Maintenance Activities

Bio Penetrating Fluid
- Penetrates between threads
- High flash point
- Low evaporation
- Residual lubrication
- Water displacing

Bio Parts Cleaning Fluid
- Performance equal to petroleum solvents
- Low VOC and health hazard
- 300 degree flash point

Bio Hydraulic Fluid
- Equal performance to petroleum Hydraulic fluid
- Reduced impact in event of leak
Grounds Maintenance
“Green-Up” taking care of your green areas
Paints, Coatings, Strippers and Sealers

Low VOC’s and exceptional performance

Paints and Stains

Paint Removers  Mastic Removers  Concrete Sealers
Biobased Roof Treatment - Restores Shingle Flexibility and Extends Roof Life 5 + Years

Restores Shingle:
- Pliability
- Granule Adhesion
- Permeability Resistance
- Hale Impact Resistance
Plywood made with Soy-Based Formaldehyde-Free Adhesives

Shelving

Veneer-Core hardwood plywood panels

Cabinets
Spray Foam Building Insulation with Soy and Recycled Plastic

Heatlok Soy 200+
Soy Backed Carpeting
Replaces more than 90 percent of the petroleum-based polymers

Yellowstone Line
with Recycled Plastic

Hyatt Hotels

Yellowstone and Grand Teton National Parks

10% + of USAF Qtrs.
Artificial Turf with Soy Backing and Recycled Material
Soy backed artificial turf is a popular alternative in high hazard/difficult turf maintenance areas.
**Road Construction & Pavement Preservation**

Adding Longevity to Asphalt Roads with Biobased Products

- Pavement Marking Paint
- Soy Oil Additives mixed for Pavement Construction
- Pavement Seal Coating
Pavement Sealing with Biobased Asphalt Preservation Coating

- Reverses oxidization
- Reduces moisture penetration
- Goes on easily
- Cures in about 30 minutes
- No need to restripe
- It’s affordable
Biobased Pavement Marking Paint
Premium performance from a sustainable source

- Excellent durability
- Superior color retention
- Low VOC’s
- Quick, easy application
- Applies to all types of pavement
- Excellent shelf life
Soy Oil Now in Goodyear Assurance Tires

- Replaces 60% of Petroleum Oil in Tire
- Better Flexibility at Low Temperatures which Improves Traction
- Improves Manufacturing Efficiency & Energy Use
How to Find Biobased Products

USB Website
https://www.soybiobased.org

USDA BioPreferred℠ Program Catalog
https://www.biopreferred.gov
How much can I reduce my Environmental Footprint?
Thank You For Your Efforts
How can the USB and I help?

Chris V. Case
Biobased Coach

chrisvcase@gmail.com

(906) 553-2511