

Proposed Item for Biobased Designation

The following biobased product information has been collected to support item designation by USDA for the Federal Biobased Product Preferred Procurement Program (FB4P). This summary reflects data available as of September 15, 2005.

Title: Bedding, Bed Linens, & Towels

Description: Materials used as coverings on beds or absorbent fabric used for drying objects.

Manufacturers Identified: 1 manufacturers producing Bedding, Bed Linens, & Towels have been identified through internet searches, manufacturer's directories, trade associations, and company submissions.

Industry Associations Investigated: The following industry associations have been investigated for member companies producing Bedding, Bed Linens, & Towels:

- Biobased Manufacturers Association
- United Soybean Board
- International Sleep Products Association
- Association of Bedding and Furniture Law Officials
- Linen Industry Research Association
- Soap and Detergent Association
- National Association Of Institutional Linen Management

Commercially Available Products Identified: Of the manufacturers identified, 1 Bedding, Bed Linens, & Towels are commercially available on the market.

Product Information Collected: Specific product information including company contact, intended use, biobased content, and performance characteristics have been collected on 0 Bedding, Bed Linens, & Towels.

Industry Performance Standards: Product information submitted by biobased manufacturers indicate that have typically been tested to the following industry standards:

- American Association of Textile Chemists and Colorists Colorfastness to Crocking refers to a fabric's ability to resist fading when exposed to crocking
- American Association of Textile Chemists and Colorists Colorfastness to Light refers to a fabric's ability to resist fading when exposed to light
- American Association of Textile Chemists and Colorists Colorfastness to Water refers to a fabric's ability to resist fading when exposed to water
- American Society for Testing and Materials #D5034-95(2001) Standard Test Method for Breaking Strength and Elongation of Textile Fabrics (Grab Test)
- American Society for Testing and Materials #D1424-96(2004) Standard Test Method for Tearing Strength of Fabrics by Falling-Pendulum Type (Elmendorf) Apparatus

- American Society for Testing and Materials #D3776-96(2002) Standard Test Methods for Mass Per Unit Area (Weight) of Fabric

Samples Tested for Biobased Content: 1 samples of Bedding, Bed Linens, & Towels have been submitted to independent laboratories for biobased content testing as specified by ASTM standard D6866-04.

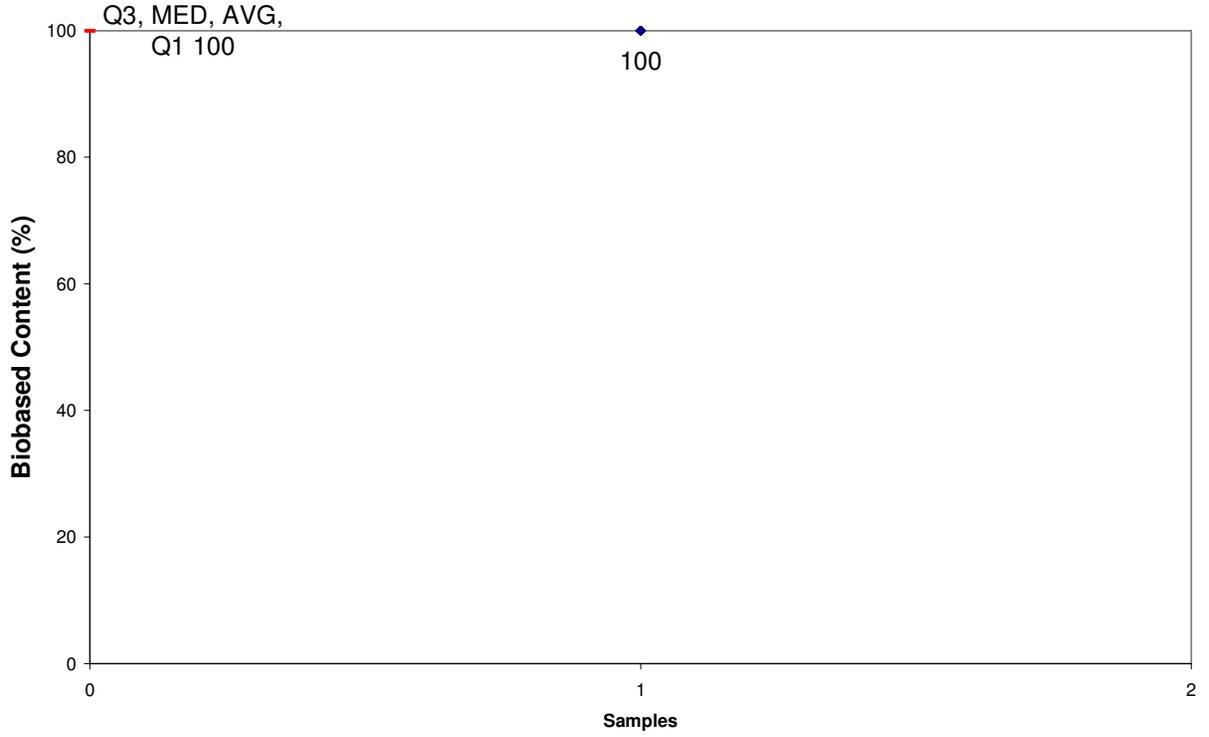
Biobased Content Data: Results from biobased content testing of Bedding, Bed Linens, & Towels indicate a range of content percentages from 100% minimum to 100% maximum biobased content as defined by ASTM D 6866-04. A detailed distribution of biobased content levels is included as Appendix A.

Products Submitted for BEES Analysis: Life-cycle cost and environmental effect data for 1 Bedding, Bed Linens, & Towels have been submitted to NIST for BEES analysis.

BEES Analysis: The life-cycle costs of the submitted Bedding, Bed Linens, & Towels range from \$139.99 minimum to \$139.99 maximum per usage unit. The environmental scores range from 0.1901 minimum to 0.1901 maximum. A detailed summary of the BEES results is included as Appendix B.

Appendix A - Biobased Content Data

Bedding, Blankets, and Towels

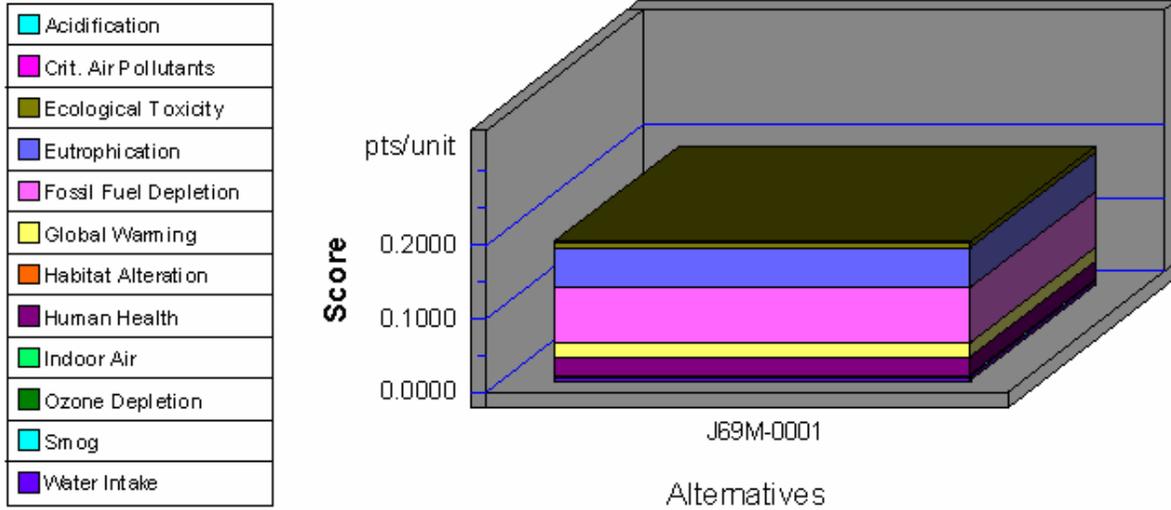


	Manufacturers Identified	Products Identified	C14	BEES
1	J69M	J69M-0001	100	yes

Appendix B - BEES Analysis Results

Units: One 90 in. x 96 in., 4 lb. blanket

Environmental Performance

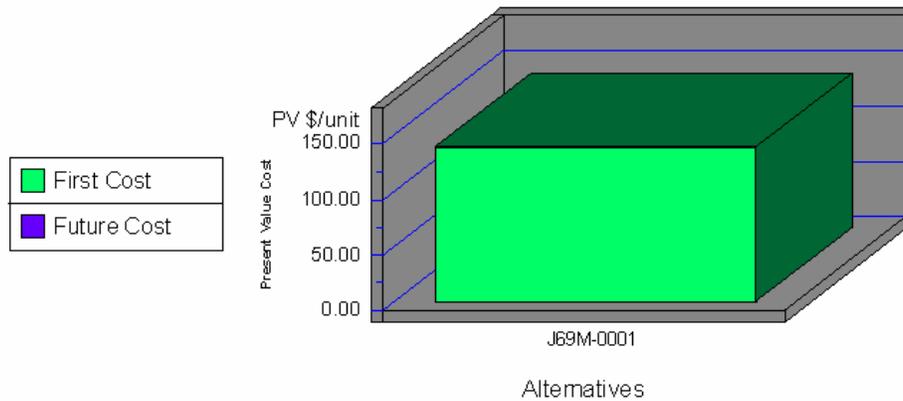


Note: Lower values are better

Category	J69M-0001
Acidification-5%	0.0000
Crit. Air Pollutants-6%	0.0013
Ecolog. Toxicity-11%	0.0087
Eutrophication-5%	0.0521
Fossil Fuel Depl.-5%	0.0747
Global Warming-16%	0.0195
Habitat Alteration-16%	0.0000
Human Health-11%	0.0238
Indoor Air-11%	0.0000
Ozone Depletion-5%	0.0000
Smog-6%	0.0043
Water Intake-3%	0.0057
Sum	0.1901

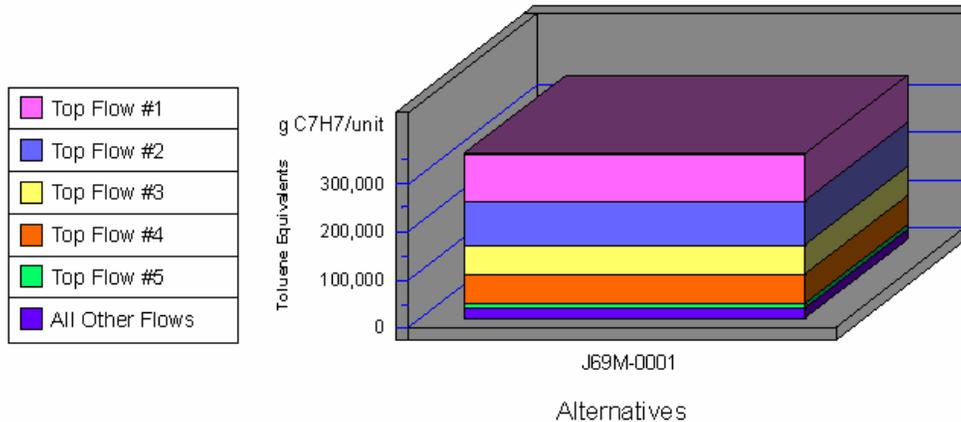
Appendix B (continued)

Economic Performance



Category	J69M-0001
First Cost	139.99
Future Cost- 3.9%	0.00
Sum	139.99

Human Health by Sorted Flows*



Note: Lower values are better

Category	J69M-0001
Cancer--(w) Arsenic (As3+, As5+	98,099.54
Cancer--(w) Phenol (C6H5OH)	92,207.00
Cancer--(a) Dioxins (unspecifie	61,651.19
Cancer--(a) Arsenic (As)	59,596.30
Cancer--(a) Benzene (C6H6)	9,284.00
All Others	22,456.75
Sum	343,294.77

*Sorted by five topmost flows for worst-scoring product