

Product Evaluation

RE: Review of BMP-BDNS Biodegradable Straw 100% (Double Jute Netting)

PRODUCT INFORMATION

Product Name: <u>BMP-BDNS Biodegradable Straw 100% (Double Jute Netting)</u>	Manufacturer: <u>BMP Supplies Inc., Calgary</u>
Website: <u>www.bmpsupplies.com/</u>	Supplier: <u>BMP Supplies Inc., Calgary</u>

VENDOR CLAIMS AND INFORMATION

CLAIMS

The BMP Bio-Double Net Straw (BMP-BDNS) Erosion Control Blanket is 100% biodegradable, made of two jute nets (double) and filled with weed-free agricultural wheat straw. Designed for use on moderate slope and channel applications. These short-term blankets are designed to reduce soil erosion and channel sedimentation through a combination of physical and biological means. The Blanket provides an effective and cost-efficient solution to soil erosion and sedimentation control. These blankets also offer a protective vegetative cover that aids in reducing water velocity and sedimentation.

DESCRIPTION

The BMP-BDNS Erosion Control Blankets are of sizes 8' X 112.5', 8' X 562.5', 16' X 112.5' and 16' X 562.5'. Made in Alberta, BMP-BDNS is packaged with clear shrink wrap and a green label.

POTENTIAL USAGE

Typical applications are for highway ditches, and embankments.

STANDARDS

- ASTM D 7207 - Determination of Unvegetated RECP Ability to Protect Soil from Hydraulically-Induced Shear Stresses Under Bench-Scale Conditions
- ASTM D 7322 - Determination of Temporary Degradable RECP Performance in Encouraging Seed Germination and Plant Growth
- ASTM D 7101 - Determination of Unvegetated RECP Ability to Protect Soil from Rain Splash and Associated Runoff Under Bench-Scale Conditions

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Transportation and Economic Corridors has experience with similar products.

APPLICABLE STANDARDS

Alberta Transportation and Economic Corridors standard for Rolled Erosion Control Products is documented in Alberta Transportation and Economic Corridors Products List, and also in Alberta Transportation Erosion and Sediment Control Manual BMP #13

RECOMMENDATIONS

BMP-BDNS Biodegradable Straw (100%) be listed as a Potential Product under Transportation and Economic Corridors Products List, Erosion Control Systems, Rolled Erosion Control Blankets – Temporary RECPs – Type A – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

RESTRICTIONS ON USE

Caveat: This product is to be installed on slopes 3H:1V or flatter

TRIAL PROJECTS

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