

## **Product Evaluation**

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

#### **PRODUCT INFORMATION**

Product Name: BMP-BDNS Biodegradable Straw 100%  
Website: www.bmpsupplies.com/

Manufacturer: BMP Supplies Inc., Calgary  
Supplier: BMP Supplies Inc., Calgary

#### **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 AND ECONOMIC CORRIDORS COMMENTS**

##### **EXPERIENCE**

Transportation and Economic Corridors has experience with similar products.

##### **APPLICABLE STANDARDS**

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

##### **RECOMMENDATIONS**

BMP-BDNS Biodegradable Straw (100%) be listed as a Trial 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**

South of Township Rd 184/Silver Sage Road intersection with Range Road 150 near Brooks (GPS: 50.539264, -111.928900)

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cc New Products Evaluation Group – Kristen Tappenden