

## **Product Evaluation**

### **RE: Review of BMP-BDNC Biodegradable Double Net Coconut**

#### **PRODUCT**

BMP-BDNC Biodegradable Double Net Coconut is manufactured and Distributed by BMP Supplies INC. located in Calgary, Alberta. Its manufacturing plant is located at Brooks, Alberta.

#### **VENDOR CLAIMS AND INFORMATION**

##### **CLAIMS**

The BMP Bio-Double Net Erosion Control Blanket Coconut (BDNC) is 100% biodegradable made of 100% coconut fiber, designed for use on severe slope and channel applications. These long-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. Website: [www.bmpsupsupplies.com/](http://www.bmpsupsupplies.com/)

##### **DESCRIPTION**

BMP BDNC Rolls are of sizes 8' X 112.5' and 16' X 112.6' packaged in orange shrink-wrap with a blue label.

##### **POTENTIAL USAGE**

Typical applications are for highway ditches, and embankments for slopes up to 2H: 1V.

##### **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

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

##### **EXPERIENCE**

Transportation and Economic Corridors has experience with different types of RECP 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-BDNC as a Trial Product under Transportation and Economic Corridors Product List, Erosion Control Systems, Rolled Erosion Control Blankets – Temporary RECPs – Type C, based on the information provided. Final acceptance as a proven product will be based on field performance.

##### **RESTRICTIONS ON USE**

Caveat: to be used on slopes 1:1 (h:v) and 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,