

## Product Evaluation

### RE: Review of HydroStraw Guar Plus

#### **PRODUCT**

HydroStraw Guar Plus is a Hydraulic Mulch manufactured and distributed by HydroStraw LLC, Rockford, Washington.

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

##### **CLAIMS:**

HydroStraw Guar Plus is designed to provide extra protection on difficult sites where slopes. Soil conditions or weather calls for extra erosion control ability. It includes a high-strength polymer binder to ensure smooth hydroseeder operation. HydroStraw Guar Plus includes an additive to reduce Guar gum break down by rainfall event. Guar gum tackifier enhances the chemical bond within the mulch matrix for better erosion control, disperses quickly in water, which allows better blending with seed and fertilizer. Product web link: [www.hydrostraw.com](http://www.hydrostraw.com)

##### **DESCRIPTION:**

HydroStraw Guar Plus is hydraulically applied mulch with the composition of heat and mechanically treated straw, natural fibers and Guar based tackifier. It is fully biodegradable.

##### **POTENTIAL USAGE:**

Erosion control of highway slopes, golf courses, residential and commercial landscaping.

##### **STANDARDS:**

HydroStraw Cellulose Fiber Plus Application Rates

Slope  $\leq$  4:1, Application rate 2242 kg/Ha (2000 lbs/ac)

Slope  $\leq$  3:1, Application rate 2242 kg/Ha (2000 lbs/ac) – 3363 kg/Ha (3000 lbs/ac)

Slope  $\leq$  2:1, Application rate 3363 kg/Ha (3000 lbs/ac) – 4484 kg/Ha (4000 lbs/ac)

#### **ALBERTA TRANSPORTATION COMMENTS**

##### **EXPERIENCE:**

Alberta Transportation has experience with similar type products.

##### **APPLICATION STANDARDS:**

Alberta Transportation has standard specifications for seeding and fertilizing - Erosion and Sediment Control Manual 2011 BMPs 22 Seeding, 24a Hydro-seeding and 24b Hydro-mulching

##### **RECOMMENDATIONS:**

HydroStraw Guar Plus to be listed as a Potential Product under Alberta Transportation Products List, Erosion Control – Hydraulic Erosion Control Product – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

#### **TRIAL PROJECTS**

Rishi Adhikari

cc New Product Evaluation Standing Committee – Roger Skirrow