

Product Evaluation

RE: Review of Rainier Supreme

PRODUCT

Rainier Supreme is a Hydraulic Mulch manufactured by Rainier Veneer Inc. Spanaway Washington, USA and distributed in Alberta by Grizzly Peak Revegetation Inc., Priddis Greens, Alberta.

VENDOR CLAIMS AND INFORMATION

CLAIMS:

Rainier Supreme consists of specially processed, extra-long strand, virgin wood fibers along with a high-strength non-toxic, hydrocolloid-based and cross linked organic tacifier. It is 100% naturally biodegradable and is non-toxic to fish and wildlife. When applied over the soil surface, the fibers tend to twist and lock with each other as they dry. Product web link:

<https://fibermarketing.com/rainier-supreme/>

DESCRIPTION:

Rainier Supreme is hydraulically applied mulch with the composition of heat and mechanically treated wood fibers and Guar gum Tackifier.

POTENTIAL USAGE:

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

STANDARDS:

ASTM D6459 Modified Large Scale Slope Erosion Testing

Rainier Supreme Application Rates

Slope \leq 4H:1V	Application rate 2242 kg/Ha (2000 lbs/acre)
Slope 4H:1V – 3H:1V	Application rate 2466 - 2802 kg/Ha (2200 lbs/acre – 2500 lbs/acre)
Slope 3H:1V – 2.5H:1V	Application rate 2802 - 3363 kg/Ha (2500 lbs/acre – 3000 lbs/acre)
Slope 2.5H:1V – 2H:1V	Application rate 3363 - 3923 kg/Ha (3300 lbs/acre – 3500 lbs/acre)
Slope 1H:1V and steeper	Application rate 3923 - 4483 kg/Ha (3500 lbs/acre – 4000 lbs/acre)

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:

Rainier Supreme to be listed as a Potential Product under Alberta Transportation Products List, Erosion and Sediment 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

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