

## Product Evaluation

### RE: Review of Earthguard Edge

#### **PRODUCT**

Earthguard Edge is manufactured and distributed by Terra Novo located in Bakersfield, California, USA.

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

##### **CLAIMS:**

EarthGuard Edge is a pellet form of the erosion-control product, EarthGuard Fiber Matrix. It can be applied without water by hand, mechanically, or air-drop. It's ideal for use in remote areas with limited water and for smaller jobs where hydro mulching is cost-prohibitive. EarthGuard EDGE covers more area in a shorter window of time and spreads naturally to untreated areas, so it reduces the cost significantly on both the product and the labor to apply it. Product web link: <http://www.EarthGuard.com>

##### **DESCRIPTION:**

EarthGuard Edge is a Polymer Stabilized Fiber Matrix which is non-toxic, 100% biodegradable, absorbs the impact of raindrops. It provides erosion control by stabilizing soil until permanent vegetation is established or until construction has resumed.

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

Erosion control. It could be used where water application is not feasible or it can be used for small area where hydro mulching is not cost effective. Seeds and fertilizers can also be mixed with this product.

##### **STUDIES:**

Toxicity Tests - Studies done on EarthGuard Fiber Matrix - Freshwater Cladoceran, Freshwater Fathead Minnows, Daphnia Magna and Rainbow Trout.

#### **ALBERTA TRANSPORTATION COMMENTS**

##### **EXPERIENCE:**

EarthGuard Edge is dry application of EarthGuard Fiber Matrix. Alberta Transportation has listed EarthGuard Fiber Matrix as a proven Hydraulic Erosion control product. However, it has no experience with dry application.

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

Alberta Transportation standard for this product is listed in the Erosion and Sediment Control Manual BMP23.

##### **RECOMMENDATIONS:**

EarthGuard Edge be listed as Potential Product under Alberta Transportation Products List, Erosion and Sediment Control Systems – Miscellaneous Erosion and Sediment Control – Proprietary, based on the information provided.

#### **TRIAL PROJECTS**

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