

Product Evaluation

RE: Review of EarthGuard Fusion

PRODUCT

EarthGuard Fusion is manufactured and distributed by Terra Novo located in Bakersfield, California, USA.

VENDOR CLAIMS AND INFORMATION

CLAIMS:

EarthGuard Fusion is composed of a proprietary blend of organic renewable agricultural fibers, other natural fibers, a combination of growth mediums and microbial growth stimulators and the erosion control / soil chemistry of EarthGuard. It provides immediate to long-term topsoil development and overall improvements in the soils ability to support plant growth at all stages of development. It also enhances plant establishment, development, and long-term plant sustainability. The combination of materials in EarthGuard Fusion is scientifically balanced to improve and expedite topsoil development. Product web link: <http://www.EarthGuard.com>

DESCRIPTION:

EarthGuard is a hydraulic growth medium & mulch (HGM²) made up of natural fibers. Seeds and fertilizers can also be combined to with EarthGuard Fusion during application.

POTENTIAL USAGE:

Erosion Control for the slopes 3:1 or greater where vegetation growth is expected. For steeper slope up to 1:1, EarthGuard Fusion Extreme needs to be used.

Standards:

ASTM D 6459 – Large scale Slope Erosion Testing

Toxicity tests - Fathead Minnow, Ceriodaphnia dubia, Rainbow Trout, Daphnia magna

Application Rate: Slope ≤ 6:1, 2000-3000 lb. /ac; slope 5:1, 2500-3500 lb. /ac; slope 4:1, 3000 – 4000 lb. /ac; slope 3:1, 3500-4500 lb. /ac

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE:

Alberta Transportation has experience with Hydraulic Mulch type of product.

APPLICATION STANDARDS:

Alberta Transportation standard for this product is listed in the Erosion and Sediment Control Manual BMP24a & 24b.

RECOMMENDATIONS:

EarthGuard Fusion be listed as a Potential Product under Alberta Transportation Products List, Erosion and Sediment Control Systems – Hydraulic Erosion Control Product (HECP) – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

TRIAL PROJECTS

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