

Product Evaluation

RE: Review of DirtBags - Biodegradable Pillow Filled with Bio Soil and Seed Mixes

PRODUCT

DirtBags are manufactured and supplied by HenDen Earth Stabilization Inc, Calgary.

VENDOR CLAIMS AND INFORMATION

CLAIMS: DirtBags are cost effective solution to re-vegetate disturbed or eroded lands. The bio soil media promotes quick vegetation establishment increasing overall performance. Permanent application allows for contouring and vegetation establishment around different types of structures such as culverts, outfalls, drains, river and creek banks etc. DirtBags are safe for wildlife and bio degradable within 2-3 years. Seed mixture can be customized as per the need. Product web link <http://www.itsnotjustdirt.ca/DirtBags.php>

DESCRIPTION: Customised Bio soil mixes and seeds are placed in the biodegradable pillow. For slopes $\leq 3:1$, bags can be laid simply on the ground and for the slopes steeper than 3:1, dirt bags need to be supported by biodegradable stakes as per the vendor's installation procedure.

POTENTIAL USAGE: Restoration of sensitive areas, newly developed land, eroded land, sediment control, river & creek bank re-vegetation, water course realignment, steep slopes, ditch checks

STANDARDS:

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE: Alberta Transportation has no experience with this product.

APPLICATION STANDARDS:

Alberta Transportation has standard specifications for seeding and fertilizing - Erosion and Sediment Control Manual 2011 BMPs 22 Seeding.

Note: Product to be used on the slopes and ditches above the flood level.

RECOMMENDATIONS:

DirtBags be listed as a Potential Product under Alberta Transportation Products List, Erosion and Sediment Control – Miscellaneous Erosion and Sediment Control – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

TRIAL PROJECTS

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