

Product Evaluation

RE: Review of ProGanics™ Biotic Soil Media™ (BSM™) Mulch

PRODUCT

ProGanics™ Biotic Soil Media™ (BSM™) is manufactured and supplied by Profile Products LLC, Buffalo Grove, IL.

VENDOR CLAIMS AND INFORMATION

CLAIMS:

ProGanics, Biotic Soil Media (BSM) is a hydraulically applied mulch and growth medium that is naturally derived, renewable, and engineered to optimize moisture retention, bond strength, rapid growth, and sustainable establishment of vegetation. It is designed as an alternative to topsoil for locations with low organic matter, low nutrient levels and limited biological activity. ProGanics is non-toxic with bark and wood fibers that have been phyto-sanitized to eliminate potential weed seeds and pathogens. Product web link: <http://www.profileevs.com/>

DESCRIPTION:

ProGanics BSM™ is an alternative to the top soil. ProGanics BSM™, seeds, fertilizers and other prescriptive formulations are mixed with water in hydraulic seeding / mulching equipment and applied over the prepared surface and then the surface is typically covered with mulches or rolled erosion control products.

POTENTIAL USAGE:

ProGanics BSM™ can be used for rapid establishment of vegetation on the surface with low organic contents (<3%). It can be the replacement of compost, peat, manure and other sources of organic materials. It is suitable for the location where there is difficulty in obtaining quality top soils.

STANDARDS:

Application and mixing Guide; ASTM D7322 Vegetation Establishment; Ecotoxicity EPA 2021.0

Application Rate:

% Organic Matter	Rate (lb/acre)	Rate (kg/ha)
< 0.75	5,000	5,600
≥ 0.75 & < 1.5	4,500	5,040
≥ 1.5 & < 2.0	4,000	4,480
≥ 2.0 & < 5.0	3,500	3,920

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE:

Alberta Transportation has used this product in multiple trial sites.

APPLICATION STANDARDS:

Alberta Transportation has standard specifications for seeding and fertilizing.

RECOMMENDATIONS:

ProGanics™ Biotic Soil Media™ be listed as a Proven Product under Alberta Transportation Products List, Erosion and Sediment Control – Hydraulic Erosion Control Products – Proprietary, based on the information provided.

TRIAL PROJECTS

AHD East (53.523478,-113.345557) and sprayed onto an Erosion Control Mat; SC250 at, Yellowhead Trail NW, Clover Bar AB (53.5820516,-113.4733784), (Application Date: 8/17/2018)