

Product Evaluation

RE: Review of HydroStraw Straw Lock

PRODUCT

HydroStraw Straw Lock is a tackifier manufactured and distributed by HydroStraw LLC, Rockford, Washington.

VENDOR CLAIMS AND INFORMATION

CLAIMS:

HydroStraw Straw Lock covers and coats the conventionally blown straw together to reduce its ability to be removed by the wind. Product web link: www.hydrostraw.com

DESCRIPTION:

HydroStraw Straw Lock is designed and formulated as a secondary Lock Down application over blown straw which is already in contact with the soil. Its enhanced formulation is not designed to be used as a conventional hydraulic mulch matrix. It is to be applied in high viscosity slurry to keep the slurry in contact with the straw. It is composed of heat and mechanically treated straw, other natural fibres such as paper for matrix entanglement and the Guar based tackifier.

POTENTIAL USAGE:

Erosion control of slopes (highways), golf courses, residential and commercial landscaping.

STANDARDS:

ASTM D7322

HydroStraw Straw Lock Application Rates

840 - 1680 kg/Ha (750 - 1500 lbs/ac)

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, 24a Hydro-seeding and 24b Hydro-mulching, and 35 Straw Mulching & Crimping.

RECOMMENDATIONS:

HydroStraw Straw Lock to be listed as a Potential Product under Alberta Transportation Products List, Erosion 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

Rishi Adhikari

cc New Product Evaluation Standing Committee – Roger Skirrow