

Rainier FiberTM



Rainier Extreme DE **For Control Of Dust And Erosion**

DESCRIPTION

Rainier Extreme DE consists of long strand 100% virgin wood fibers along with a high strength, non-toxic, high viscosity, hydrocolloid-based and cross-linked organic tackifier. *This combination makes the product very effective for both dust and erosion control.* No synthetic or plastic fibers, which are not naturally biodegradable, are added or blended into the pure wood fiber.

Fugitive Dust Control: *Rainier Extreme DE* sprays on like a hydromulch and forms a wet matrix cover that adheres to the soil. During spraying, the excess slurry liquid is absorbed by the soil and the tackifier binds the soil particles together. When dry, the matrix is porous, but it holds fugitive dust particles in place. *Rainier Extreme DE* has superior adhesion to a wide range of soil, sand and organic dust sources for greater longevity. If the soil is fractured by traffic the strength is reconstituted by rewetting. See Application Rates on page 2.

Erosion Control: With heavier applications, sufficient to form a blanket, *Rainier Extreme DE* performs like a bonded fiber matrix for erosion control. The blanket protects the soil surface immediately upon application because the wood fibers twist and interlock with each other and bond to the soil surface as they dry. The matrix is erosion resistant and retains its integrity to protect the soil despite re-wetting. Recommended application rates are shown on page 2.

ADVANTAGES

- Binds fine soil particles to the soil to prevent fugitive dust.
- No synthetic or plastic fibers, which are not naturally biodegradable, are added to the fiber.
- As a fiber mat, it retains integrity after repeated rains for increased erosion protection.
- Conforms to all surface contours. Eliminates tenting and rilling.
- Non-toxic to aquatic, fish or wildlife. Has no germination or growth inhibiting factors.
- High temperature 177°C (350°F) steam and thermo-mechanical refining sterilizes the fiber.
- No viable noxious or other plant seed in the fiber. All seeds are sterilized.
- Tackifier additive is homogeneously mixed with the fiber. It's all in the same bag.

Rainier Extreme DE is fast to load in hydroseeding equipment from easy-to-handle plastic bags. The fibers are sized for maximum loading in a tank, and along with the tackifier they quickly disperse to make a homogeneous slurry. Seed and fertilizer can be added to the slurry for vegetation establishment. The fibers remain in suspension during agitation and pumping, and the slurry does not dewater when doing hose work.

The fibers are colored green with a biodegradable, water-soluble, non-toxic dye to help the operator apply the product uniformly. The dye is free from copper, mercury and arsenic and will not permanently stain concrete or painted surfaces. Also, the fiber is free from lead paint, printing ink, varnish, petroleum products, seed germination inhibitors, or chlorine bleach, and there are no contaminants that will inhibit plant growth. The dyed mulch fiber is non-toxic and not harmful to animal, aquatic, fish or plant life and is completely biodegradable.

PRODUCT FEATURES

- Forms a stable dust control matrix or an erosion control mat.
- Made from selected, fresh cut, clean, 100% whole wood chips. 100% biodegradable.
- Fiber stays in uniform suspension and blends with seed and fertilizer.
- Goes into slurry quickly.
- Pumps easy in hydromulching machines.
- Provides favorable micro-climate for fast seed germination

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