

Rainier Fiber™



Rainier Fiber™ **Premium Wood Fiber Mulch**

DESCRIPTION

Rainier Fiber™ is 100% virgin wood fiber mulch for use in hydraulic planting and erosion control. It is premium quality wood mulch manufactured under constant quality control checks. The fiber is consistent in size and texture for the most optimum performance.

When applied over the soil surface, the fibers tend to twist and lock with each other as they dry. This forms a protective mulch mat to aid in erosion control, hold seeds in place, and provide a micro-climate to aid seed germination. After the seedlings have grown to sufficient size they, along with the mulch, will protect the soil surface to greatly reduce erosion and soil loss. In the final stages the fibers decompose, adding organic matter to the soil.

The manufacturing starts with clean, western softwood chips in which the fibers are separated in a high pressure defibration process that includes high temperature 177°C (350°F) steam and rubbing action. The process reduces the chips to long, soft fibers. This combination of selected softwood chips and thermo-mechanical refining produces the finest wood fiber mulch for hydroseeding and erosion control. In addition, the extreme heat and use of clean wood chips assures a sterile fiber to aid germination and growth of seed, stolons and sprigs.

Rainier Fiber™ is fast to load in hydroseeding equipment from easy to handle plastic bags. The fibers are sized for maximum loading in a tank, and they make a homogeneous slurry of water, seed and fertilizer. The fibers remain in suspension during agitation and pumping, and the slurry does not dewater when doing hose work.

The green color makes the mixed slurry visible during application, even at maximum pumping distances. This allows the operator to apply an even application of material over the soil surface. The green dye added to the fiber during manufacture is non-toxic to aquatic, fish or animal life. Caution should be used when spraying near concrete or buildings to prevent overspray from temporarily staining these items.

PRODUCT FEATURES

- Made from fresh cut, clean, western softwood chips.
- Fiber stays in uniform suspension and blends with seed and fertilizer.
- High loading and goes into slurry quickly.
- Forms stable mulching mat and holds the seed in place.
- Provides favorable micro-climate for faster germination.
- Helps establish grasses for erosion control, as well as fine turf.
- Green dye assists in even application. Dye is non-toxic to fish or animals.
- Mulch has no growth inhibiting factors.
- High temperature 177°C (350°F) steam processing sterilizes the fiber and kills all seeds.
- No viable noxious or other weed and plant seeds in the mulch. All seeds are sterilized.
- Fibers decompose after plants have established.

PRODUCT SPECIFICATIONS

Rainier Fiber™ is manufactured to specific fiber sizes in a heat-controlled environment to provide best job-site performance. Clean wood chips are softened by high temperature 177° C (350° F) steam, and the pressurized thermo-mechanical refining process produces long, soft fibers. The resulting fibers have physical features that tend to intertwine with each other forming a protective mulching mat.

Moisture content	(ASTM D-644)	12.0%±3.0%
Organic matter (oven dried basis).....	(ASTM D-586).....	99.3%±0.2%
Ash content (oven dried basis).....	(ASTM D-586).....	0.7%±0.2%
pH @ 3% concentration.....	(EPA SW846 9045).....	4.5±0.5
Water holding capacity	(ASTM D-7367).....	1,350% min
Color.....		Green
Material Safety Data Class		Naturally occurring material

Rainier Fiber™ is compressed and sealed in heavy duty plastic bags with a UV inhibitor. Each easy to open bag weighs 50 lbs (22.7 kg) net and measures 10 x 19 x 29 inches. There are 40 bags/pallet, which makes into a tight stretch-wrapped unit. Load rates are up to 25 bags per 3000 gallons of water or 50 lbs of mulch per 120 gallons of water. These rates may vary depending on the machine. Instructions are on each bag.

COVERAGE

Green dye is added to help the applicator maintain uniform coverage during application. FMI recommends a minimum application of 1,800 pounds per acre on flat to 4H:1V slopes. For 3H:1V slopes use a heavier application. The best results to hold seed and mulch in place on any of the above slopes are provided by *Rainier Fiber™ Plus Tacifier*.



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