Rainier Fiber™
Premium Wood Fiber Mulch

Product Description
Rainier Fiber™ Virgin Wood Fiber Mulch

Rainier Fiber™ is a premium, 100% virgin wood fiber mulch produced from clean, fresh-cut western softwood chips. Specially designed for hydraulic planting and erosion control applications, it is manufactured under strict quality control to ensure consistency in fiber size and texture for optimal performance.

Once applied to the soil, the fibers interlock as they dry, forming a protective mulch mat. This mat helps prevent erosion, holds seed in place, and creates a favorable micro-climate that supports seed germination. As vegetation establishes, both the plants and mulch work together to protect the soil surface and significantly reduce erosion. Eventually, the mulch biodegrades, enriching the soil with organic matter.

Rainier Fiber™ is made using a high-pressure defibration process that subjects clean softwood chips to 177°C (350°F) steam and mechanical rubbing. This thermo-mechanical refining breaks down the chips into long, soft fibers ideal for hydroseeding. The intense heat and use of clean wood result in a sterile, pathogen-free fiber that promotes healthy seed, stolon, and sprig growth.

Packaged in easy-to-handle plastic bags, Rainier Fiber™ loads quickly into hydroseeding equipment. The fiber is engineered for high tank-loading capacity and forms a uniform slurry with water, seed, and fertilizer. It stays in suspension during mixing and pumping, preventing clogs and ensuring smooth application—even through long hoses.

The green color added during manufacturing enhances visibility during application, allowing for consistent, even coverage. This non-toxic colorant is safe for wildlife, aquatic life, and plant growth. However, care should be taken to avoid overspray on concrete or buildings, as it may cause temporary staining.

PRODUCT FEATURES

- Manufactured from fresh-cut, clean western softwood chips.
- Fibers remain in uniform suspension and blend seamlessly with seed and fertilizer.
- Fast-loading and quick-to-mix for efficient slurry preparation.
- Forms a stable mulch mat that securely holds seed in place.
- Creates a favorable micro-climate to accelerate germination.
- Supports rapid establishment of grasses for erosion control and fine turf development.
- Colorant ensures even application; colorants are non-toxic to aquatic life, fish, and animals.
- Contains no growth-inhibiting substances.
- Processed with high-temperature (177°C / 350°F) steam to sterilize fibers and eliminate all seeds.
- Guaranteed free of viable noxious weed or plant seeds.
- Fully biodegradable—fibers naturally break down after vegetation is established.

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PRODUCT SPECIFICATIONS

Rainier Fiber™ is engineered to precise fiber dimensions and produced in a heat-controlled environment for superior job-site performance. The process begins with clean, western softwood chips, which are softened using high-temperature steam (177ºC / 350ºF). These chips are then refined through a pressurized thermo-mechanical process that yields long, soft fibers.

The resulting fibers are designed to interlock naturally, forming a stable and effective mulching mat for erosion control and seed protection. Rainier Fiber™ is completely free of contaminants such as lead paint, printing inks, varnishes, petroleum derivatives, seed germination inhibitors, and chlorine bleach—ensuring a clean, safe, and high-performing product.

Property	Test Method	Specification
Moisture Content	ASTM D7367	12.0% ± 3.0%
Organic Matter (oven dried basis)	ASTM D2974	99.3% ± 0.2%
pH @ 3% Concentration	EPA SW846 9045	4.5 ± 0.5
Water Holding Capacity	ASTM D7367	1,300% min
Boron Content	SW846 6010B	<100 ppm
Color	—	Green
Fiber Length	—	Min. 25% ≥ 10 mm (3/8 inch)
Sieve Retention	—	Min. 50% retained on 25 mesh (710 µm)
Material Safety Data Class	—	Naturally occurring material

PACKAGING & APPLICATION

Rainier Fiber™ is compressed and sealed in heavy-duty plastic bags containing a UV inhibitor for outdoor storage. Each easy-to-open bag weighs 50 lbs (22.7 kg) net and measures 10 x 19 x 29 inches. Bags are palletized in units of 40 bags per pallet, tightly secured with stretch wrap for stability during transport and storage.

- Up to 25 bags per 3,000 gallons of water
- Equivalent to 50 lbs per 120 gallons of water
  Note: Load rates may vary depending on equipment. Detailed instructions are printed on each bag.

COVERAGE GUIDELINES

To aid in even application, color is added to the fiber. The pigment is non-toxic and helps the operator visually maintain uniform coverage.

- Recommended rate: Minimum 1,800 lbs per acre (2,020 kg/ha) on flat ground up to 4H:1V slopes
- Steeper slopes: Apply at heavier rates for best performance

For optimal seed protection and erosion control on all slope types, Rainier Fiber™ Plus Tackifier is recommended to enhance binding and soil stabilization.

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