

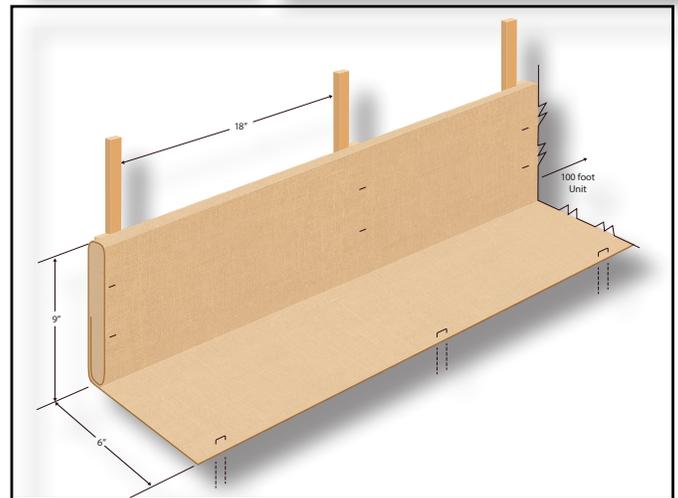
# Introducing WattleFence™



## What is WattleFence™?

WattleFence is the newest innovation in sediment control, combining the best features of wattles (aka logs, SFRs) and silt fence. A longtime leader in erosion control, Western Green has developed this unique solution to evolve treatment of sediment-laden flows, quickly and cost-effectively replacing more traditional technologies for perimeter control, slope interruption, ditch checks, and more.

The patented WattleFence technology combines proven performance with shipping, installation, and removal advantages. Made in the USA using a fleece of coconut fiber reinforced with a woven fabric folded longitudinally to form a thick, multilayer product. The result, at 9 inches tall, is significantly shallower than traditional silt fence while providing equivalent performance. A 6 inch splash apron extends on the upstream side, further securing the WattleFence and preventing scour while removing the need for trenching. Once on site, WattleFence forms an L-shape with vertical stakes at the fence and staples securing the apron. At project closeout, this 99% biodegradable solution may be left on site, reducing costs through eliminating mobilization, labor, and disposal.



Shown Above: Finished WattleFence Unit, WattleFence Installed, Schematic of WattleFence

## Shipping and Handling

WattleFence is coiled for packaging, reducing shipping costs and storage space. With a storage density of over 10 times that of traditional wattles, just a few pallets can provide over a mile of protection. The vertical support of the Wattlefence also provides dimensional stability, helping to combat the shrinkage that can take place in traditional wattles during shipping and storage. With Wattlefence, you can be confident that every foot will meet installed height requirements.



Shown Left to Right: Finished Coil of WattleFence Unit, 2ft Diameter, 100 ft installed Length, 9" Height, Boxed pallet of 16 WattleFence units, 4' x 4' x 40", 1,600 linear feet installed, Installed WattleFence

## Installation

The unique stake and splash apron attachment system eliminates trenching and provides easy handling for reduced installation effort. Using wooden stakes and bio-degradable fasteners, the system is more than 99% biodegradable, as only a few metal staples are included into the design. This allows the contractor to fasten and forget, with no need for removal at the end of the project.



# WattleFence cont.

## Performance

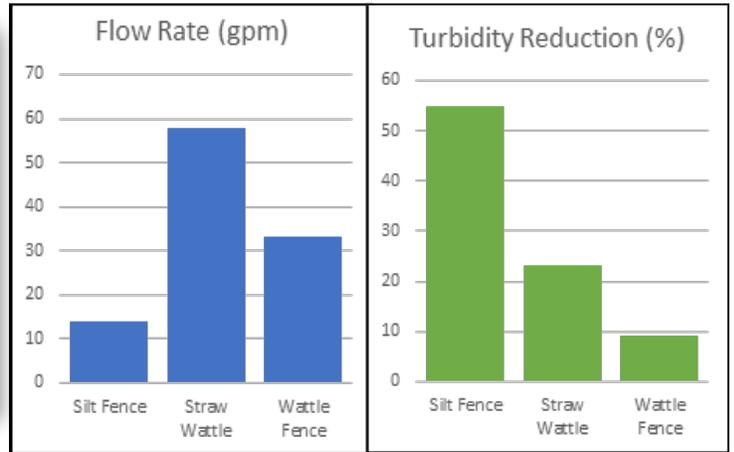
WattleFence features two-stage performance, which allows similar sediment capture and turbidity reductions to silt fence at a significantly higher flow rate. The result is a system that is more easily crossed on-site, both by workers and wildlife.

This two-stage performance is achieved through the tail and multiple layers of fabric at the base of the system providing a higher level of restriction to flow, allowing for greater sediment capture through higher filtration during sediment laden first flush events. As water levels rise behind the WattleFence during larger rainfall events, the upper section of the system is less restrictive. This allows for passage of higher flow rates without sacrificing overall sediment removal performance.



Shown Left to Right: WattleFence Before Testing, WattleFence During Testing, Flow and Turbidity Comparison\*.

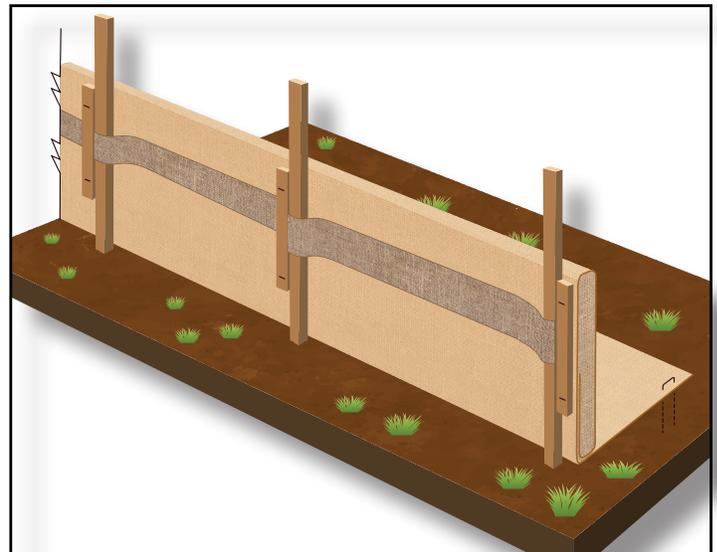
\*WattleFence has been tested in multiple laboratories, results shown from test not pictured.



## Why WattleFence?

The overall efficiency and performance of the product provides a unique tool to simplify the process of sediment control.

- Unique value in shipping and storage – add a few thousand feet to a near-full truckload of blankets. Keep miles of product in the same space 500 feet worth of wattles requires.
- Unique value in installation – no trenching, leave-behind biodegradability. Stake configuration with flexible arrangement.
- Easy step-over height for field work.
- Two-stage filtration, performance at first flush and high flow.
- Stable height dimension avoids inspection violation.
- Easy repair with zip ties and traditional wood stakes.



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# WattleFence™ Biodegradable Sediment Control Alternative



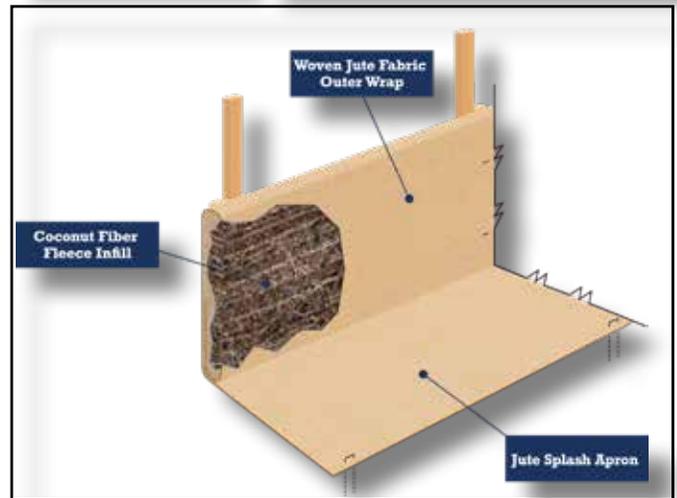
## What is WattleFence™?

WattleFence is the next innovation in sediment control, combining the best features of wattles (a.k.a. logs, SRFRs) and silt fence. Western Green has developed a tool that creates a **unique and powerful value proposition for those working to contain sediment-laden flow on site**. The finished product is unique in the complete-biodegradability components. WattleFence is constructed using a fleece of coconut fiber that is placed on a biodegradable, planar, woven fabric. This arrangement is folded, forming a thick, multilayer product that measures approximately 9 inches high. Additionally, a six-inch splash apron is left for securing to the ground. Once deployed on site, the product forms an L-shape with the splash apron secured to the ground and the fleece fence held vertical by stakes. This unique system does not require trenching and provides an upstream apron.



## Environmentally-Friendly and Renewable

WattleFence is **constructed from natural, renewable components**, and is installed with wood stake supports. The final unit is unique in that it removes all plastics, poly nettings, and metal staking. The result is a sediment control device that is an environmentally-friendly product compared to silt fence, plastic netted logs, or poly-fabric compost socks. The WattleFence is made in the USA, and can offer a solution for project sourcing requirements.



Shown Above: Finished WattleFence Unit, WattleFence Installed, All-natural components of WattleFence

## One-Touch Installation

WattleFence works best with the easiest possible installation practice with a unique staking system, easy handling, no trenching or secondary apron requirement. Because of the condensed packaging, a single 100 linear ft unit of WattleFence can be handed easily by a single person, and installed with no equipment needed. Using wooden stakes and other degradable components, the system can be left in place without removal. Comparatively, silt fence often must be removed and wattles can leave plastic netting long after the filling has degraded. **WattleFence allows the contractor to fasten and forget.** WattleFence is a good choice for a wide range of applications including slope interruption protection, channel flow dissipation, stockpile and perimeter control, and more.

