



Sediment **STOP**TM

BIODEGRADABLE Filtration System

The SedimentSTOPTM (Patent Pending) shall be a machine-produced 100% biodegradable sediment filtration system.

The SedimentSTOPTM shall be composed of 70% agricultural straw and 30% coconut fiber matrix evenly distributed over the entire area of the bottom netting. The SedimentSTOPTM shall consist of a bottom netting and a 2 ft. (0.61 m) top netting that covers the matrix material on the “splash apron” of the SedimentSTOPTM system. The netting shall be constructed from 100% biodegradable woven natural organic fiber netting. The netting shall consist of machine directional strands formed from two intertwined yarns with cross directional strands interwoven through the twisted machine strands (commonly referred to as a Leno weave) to form an approximate 0.50 x 1.00 inch (1.27 x 2.54 cm) mesh. The blanket shall be sewn together on 1.50 inch (3.81 cm) centers (50 stitches per roll width) with biodegradable thread.

Each SedimentSTOPTM shall yield a structure 50 lineal feet (15.2 m) in length, with an approximate finished diameter of 9 inches (0.23 m). The diameter of the finished structure may be increased to meet individual project specifications by spreading loose straw, pine needles, wood chips, grass cuttings, etc. across the width of the SedimentSTOPTM before rolling edge to edge.

The SedimentSTOPTM shall be manufactured by North American Green, or equivalent. The SedimentSTOPTM shall have the following properties:

Material Content

Matrix	70% Straw Fiber 1.225 lbs/yd ² (0.665 kg/m ²) 30% Coconut Fiber 0.525 lbs/yd ² (0.285 kg/m ²)
Netting	Bottom side, Leno woven 100% biodegradable natural organic fiber (9.30 lbs/1,000 ft ² [4.50 kg/100 m ²] approximate weight) Top side, 2 ft. (0.61 m) strip covering the “splash apron” of the SedimentSTOP TM , Leno woven 100% biodegradable natural organic fiber (9.30 lbs/1,000 ft ² [4.50 kg/100 m ²] approximate weight)
Thread	Biodegradable

Physical Specifications

	<u>English</u>	<u>Metric</u>
Width	6.67 ft	2.03 m
Length	50.00 ft	15.24 m
Weight	65.00 lbs ± 10%	29.50 kg ± 10%
Stitch Spacing	1.50 inches	3.81 cm
Finished Structure Diameter - Approximately	9.00 in (0.23 m)	