

# BIONET® BIODEGRADABLE EROSION CONTROL BLANKETS

Every site has unique challenges created by soil characteristics, topography, climate, and other environmental conditions. You need one solution to deliver results, regardless of the challenges at hand. Erosion Control Blankets (ECBs) create an excellent micro-climate for the propagation of seeds while protecting the open soil from natural erosion from rain, wind, and water flow.

North American Green's **BioNet® Biodegradable Erosion Control Blankets (ECBs)** provide effective and all-natural erosion control, soil stabilization, and vegetation establishment in an environmentally and wildlife-friendly manner.

April 2023		BioNet® Biodegradable Erosion Control Blankets					
Style	ASTM	BioNet® S75BN	BioNet® S150BN	BioNet® SC150BN	BioNet® C125BN	BioNet® 700BN	
Material Properties	Description	100% straw with 1 Biodegradable natural organic fiber net, biodegradable thread	100% straw with 2 Biodegradable natural organic fiber nets, biodegradable thread	70% straw fiber, 30% coconut fiber with 2 Biodegradable natural organic fiber nets, biodegradable thread	100% coconut fiber with 2 Biodegradable natural organic fiber nets, biodegradable thread	100% coconut fiber with a coir fiber net and a biodegradable natural organic fiber net, biodegradable thread	
	Functional Longevity*	12 Months	12 Months	18 Months	24 months	36 months	
	Suggested Application	Low Flow channels and 4:1 - 3:1 Slopes	Moderate Flow Channels and 3:1 - 2:1 Slopes	Medium Flow Channels and 2:1 - 1:1 Slopes	High Flow Channels and 1:1 and Greater Slopes	High Flow Channels and 1:1 and Greater Slopes	
	Tensile Strength MD	D6818	146.4 lb/ft 2.17 kN/m	188.4 lb/ft 2.79 kN/m	201.6 lb/ft 2.99 kN/m	206.4 lb/ft 3.06 kN/m	1271 lb/ft 18.84 kN/m
	Tensile Strength TD	D6818	109.2 lb/ft 1.62 kN/m	157.2 lb/ft 2.33 kN/m	164.4 lb/ft 2.44 kN/m	145.2 lb/ft 2.15 kN/m	834 lb/ft 12.34 kN/m
	Unvegetated Shear Stress		1.60 lb/ft <sup>2</sup> 76 Pa	1.85 lb/ft <sup>2</sup> 88 Pa	2.10 lb/ft <sup>2</sup> 100 Pa	2.35 lb/ft <sup>2</sup> 112 Pa	2.35 lb/ft <sup>2</sup> 112 Pa
	Unvegetated Velocity		5.00 ft/sec 1.52 m/sec	6.00 ft/sec 1.83 m/sec	8.00 ft/sec 2.44 m/sec	10.0 ft/sec 3.05 m/sec	10.0 ft/sec 3.05 m/sec

For up-to-date technical information, be sure to visit us online at [www.LayfieldGroup.com](http://www.LayfieldGroup.com)

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Roll Width		8.0 ft 2.44 m	8.0 ft 2.44 m	8.0 ft 2.44 m	8.0 ft 2.44 m	8.0 ft 2.44 m
Roll Length		112 ft 34.14 m	112 ft 34.14 m	112 ft 34.14 m	112 ft 34.14 m	45 ft 13.7 m
Roll Weight +/- 10%		50 lbs 22.68 kg	65.28 lbs 29.61 kg	65.28 lbs 29.61 kg	65.25 lbs 29.6 kg	74.4 lbs 33.75 kg
Notes: All products available in biodegradable nets Additional roll sizes may be available *Will vary depending on soil and climatic conditions						

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