



# Blue Grass

## 40MM/HR BIORETENTION BLEND

### Engineered Soil for Stormwater Management & Sustainable Landscapes

The 40mm/hr Bioretention Blend is an engineered soil mix designed for stormwater management applications such as bioretention areas, bioswales, and rain gardens. It supports healthy plant growth while providing reliable water infiltration.

Screened to 5/8" for a clean, consistent texture free of debris, this blend offers balanced drainage and nutrient availability for perennials, shrubs, and trees. It meets the City of Calgary's 40mm/hr infiltration requirement, supporting effective runoff management and sustainable landscape design.

### PRODUCT SPECIFICATIONS

PARAMETER	RESULT
Composition	Loam, Sand, Compost
Soil Texture Class	Sandy-Loam
Physical Parameters	Sand 60%, Silt 24%, Clay 16%
Saturated Hydraulic Conductivity	40mm/hr minimum
pH	7.8
Organic Matter	6%
Electrical Conductivity	3.0 dS/m maximum
Cation Exchange Capacity	29 meq/100g
Nitrate (NO <sub>3</sub> )	41 ppm
Phosphorus (P)	46 ppm
Potassium (K)	658 ppm
Sulfur (S)	232 ppm
Zinc (Zn)	3.5 ppm
Manganese (Mn)	10 ppm
Iron (Fe)	43 ppm
Copper (Cu)	1.3 ppm
Boron (B)	1.2 ppm
Sodium Adsorption Ratio	2.1



### APPLICATIONS

Ideal for use in bioretention cells, bioswales, rain gardens, and other low-impact development (LID) features where controlled water movement and plant health are critical.

40mm/hr Bioretention Blend delivers the performance, reliability, and environmental benefits required for today's sustainable landscape solutions.

### KEY BENEFITS

- ✓ Engineered to meet 40mm/hr infiltration requirements
- ✓ Promotes efficient stormwater absorption and filtration
- ✓ Supports strong root development for a wide range of plant material
- ✓ Clean, uniform blend for consistent installation and performance
- ✓ Suitable for municipal, commercial, and residential green infrastructure projects

Disclaimer: Results reported on dry weight basis from samples submitted and analyzed September 2025. We strive to maintain high quality products and these results are to be used as a guideline. Actual product may vary.