

LID Soil - Rain Garden Blend

Overview

LID Soil – Rain Garden Blend is engineered to meet Low Impact Development standards. It supports healthy plant growth while managing stormwater through effective infiltration, making it ideal for rain gardens, bioswales, and sustainable landscaping projects.



Ideal Applications



Rain Gardens

Mixture Composition

- Screened Loam
- Compost
- Coarse Sand

Benefits

- Promotes water infiltration and storage
- Reduces runoff and improves water quality
- Supports resilient vegetation in stormwater zones
- Meets City of Calgary 70mm/hr standards
- Engineered for performance in sustainable site design

Available in

Contact Eagle Lake

Calgary Contractor Store

285177 Frontier Road SE,
Calgary AB, T1X 0N2

Strathmore Turf Farm

242039 TWP RD 240
Wheatland County, AB, T1P 2C6

EagleLakeTurf.com

403.262.5600

LID Soil - Rain Garden Blend

This blend was developed to provide optimal growing conditions in rain gardens and swales for Perennials, Shrubs and Trees while providing for predictable infiltration. This blend meets the Calgary 40mm/hr standards.

Specifications

Parameter	Result	Method
<i>Plant Material</i>	<i>Perennials, shrubs, trees and Turf</i>	
<i>Composition</i>	<i>Loam, coarse sand and compost</i>	
<i>Soil Textural Class</i>	<i>Loam</i>	USDA Handbook 60
<i>Particle Size</i>	<i>Sand-60%, Silt-20%, Clay-20%</i>	ASTM F1632 B
<i>pH</i>	<i>7.2-7.8</i>	
<i>Infiltration Rate</i>	<i>40-50mm/hr</i>	K-SAT modified proctor at 85% compaction
<i>Infiltration Rate</i>	<i>1.6-1.9 in/ hr</i>	K-SAT modified proctor at 85% compaction
<i>Organic Matter %</i>	<i>3-5%</i>	ASTM D2974 C
<i>Cation Exchange</i>	<i>18-22</i>	CEC
<i>Soluble Salts</i>	<i>1.5-2.2</i>	SSE
<i>Dry Matter %</i>	<i>90-95%</i>	ASTM D2974 C
<i>Phosphorus, P</i>	<i>50-150 ppm</i>	Saturated Paste Method
<i>Potassium, K</i>	<i>600-700 ppm</i>	Saturated Paste Method
<i>Magnesium, Mg</i>	<i>600-800 ppm</i>	Saturated Paste Method
<i>Calcium, Ca</i>	<i>4000-5000 ppm</i>	Saturated Paste Method
<i>Sulfur, S</i>	<i>200-300 ppm</i>	Saturated Paste Method
<i>Zinc, Zn</i>	<i>6-7 ppm</i>	Saturated Paste Method
<i>Manganese, Mn</i>	<i>50-55 ppm</i>	Saturated Paste Method
<i>Iron, Fe</i>	<i>200-250 ppm</i>	Saturated Paste Method
<i>Copper, Cu</i>	<i>2-3 ppm</i>	Saturated Paste Method
<i>Nitrate, NO₃</i>	<i>50-70 ppm</i>	Saturated Paste Method
<i>Sodium, Na</i>	<i>300-400 ppm</i>	Saturated Paste Method
<i>Sodium Absorption Ratio, SAR</i>	<i>9-Mar</i>	USDA Handbook 60
<i>Electrical Conductivity, EC</i>	<i>0.5-2 mmhos/cm</i>	Saturated Paste Method

Product available in Bulk or Bagged in totes

Results reported on a dry weight basis - The above results relate to the individual sample submitted and analysed on 02/25.

We strive to maintain high quality and consistency of product, these results are to be used as a guideline.

Actual product may vary. If you require a current analysis please let us know.

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