

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name Crop Production Services City _____ State _____Independent Consultant Soil and Water Consulting Date 4/25/2017

Sample Location		CANYONGATE CC	PROPOSED				
Sample Identification			GREENSMI				
Lab Number			0080-1				
Total Exchange Capacity (ME/100 g)			10.73				
pH (H ₂ O 1:1)			a 8.8				
Organic Matter (360°C LOI) %			0.22				
Estimated Nitrogen Release lb/A			9				
ANIONS	SOLUBLE SULFUR* ppm		36				
	PHOSPHORUS	MEHLICH III lb/A P as P ₂ O ₅ ppm of P					
		BRAY II lb/A P as P ₂ O ₅ ppm of P					
		OLSEN lb/A P as P ₂ O ₅ ppm of P	< 5 < 1				
EXCHANGEABLE CATIONS	CALCIUM*	lb/A	3622				
		ppm	1811				
	MAGNESIUM*	lb/A	224				
		ppm	112				
	POTASSIUM*	lb/A	86				
	ppm	43					
	SODIUM*	lb/A	162				
	ppm	81					
BASE SATURATION PERCENT							
	Calcium	%	84.39				
	Magnesium	%	8.70				
	Potassium	%	1.03				
	Sodium	%	3.28				
	Other Bases	%	2.60				
	Hydrogen	%	0.00				
EXTRACTABLE MINORS							
	Boron** (ppm)		0.48				
	Iron** (ppm)		20				
	Manganese** (ppm)		13				
	Copper** (ppm)		0.84				
	Zinc** (ppm)		< 0.4				
	Aluminum** (ppm)		21				
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	CaCO ₃ (%)		3.10				

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable