

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name Tucson Country Club City Tucson State AZ

Independent Consultant Soil and Water Consulting Date 6/7/2017

Sample Location		TEE	4				
Sample Identification							
Lab Number			1365-1				
Total Exchange Capacity (ME/100 g)			14.46				
pH (H ₂ O 1:1)			a 8.2				
Organic Matter (360°C LOI) %			2.49				
Estimated Nitrogen Release lb/A			70				
ANIONS	SOLUBLE SULFUR* ppm		35				
	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	64 14				
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	4572 2286				
	MAGNESIUM*	lb/A ppm	286 143				
	POTASSIUM*	lb/A ppm	386 193				
	SODIUM*	lb/A ppm	406 203				
BASE SATURATION PERCENT							
Calcium %			79.05				
Magnesium %			8.24				
Potassium %			3.42				
Sodium %			6.10				
Other Bases %			3.20				
Hydrogen %			0.00				
EXTRACTABLE MINORS							
Boron M3 (ppm)							
Iron** (ppm)			17				
Manganese** (ppm)			2				
Copper** (ppm)			1.32				
Zinc** (ppm)			4.80				
Aluminum (ppm)							
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** DTPA Extractable

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Sample Location <u>FAIRWAY</u>		4				
Sample Identification						
Lab Number		1366-1				
Total Exchange Capacity (ME/100 g)		11.72				
pH (H ₂ O 1:1)		a 7.7				
Organic Matter (360°C LOI) %		3.64				
Estimated Nitrogen Release lb/A		86				
ANIONS	SOLUBLE SULFUR* ppm	53				
	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	124 27				
EXCHANGEABLE CATIONS	CALCIUM* lb/A ppm	3394 1697				
	MAGNESIUM* lb/A ppm	290 145				
	POTASSIUM* lb/A ppm	538 269				
	SODIUM* lb/A ppm	414 207				
	BASE SATURATION PERCENT					
	Calcium %	72.40				
	Magnesium %	10.31				
	Potassium %	5.89				
	Sodium %	7.68				
	Other Bases %	3.70				
	Hydrogen %	0.00				
EXTRACTABLE MINORS						
	Boron M3 (ppm)					
	Iron** (ppm)	32				
	Manganese** (ppm)	2				
	Copper** (ppm)	1.18				
	Zinc** (ppm)	7.58				
	Aluminum (ppm)					
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

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Sample Location <u>GREEN</u>		4				
Sample Identification						
Lab Number		1367-1				
Total Exchange Capacity (ME/100 g)		7.83				
pH (H ₂ O 1:1)		a 7.9				
Organic Matter (360°C LOI) %		0.62				
Estimated Nitrogen Release lb/A		25				
ANIONS	SOLUBLE SULFUR* ppm	11				
	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	50 11				
EXCHANGEABLE CATIONS	CALCIUM* lb/A ppm	2232 1116				
	MAGNESIUM* lb/A ppm	162 81				
	POTASSIUM* lb/A ppm	740 370				
	SODIUM* lb/A ppm	164 82				
	BASE SATURATION PERCENT					
	Calcium %	71.26				
	Magnesium %	8.62				
	Potassium %	12.12				
	Sodium %	4.55				
	Other Bases %	3.50				
	Hydrogen %	0.00				
EXTRACTABLE MINORS						
	Boron M3 (ppm)					
	Iron** (ppm)	9				
	Manganese** (ppm)	2				
	Copper** (ppm)	1.73				
	Zinc** (ppm)	5.36				
	Aluminum (ppm)					
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

a - alkaline soil

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** DTPA Extractable