

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name Tucson Country Club City Tucson State AZ

Independent Consultant Soil and Water Consulting Date 3/24/2017

Sample Location <u>FAIRWAY</u>		1				
Sample Identification						
Lab Number		0147-1				
Total Exchange Capacity (ME/100 g)		10.18				
pH (H ₂ O 1:1)		a 7.5				
Organic Matter (360°C LOI) %		2.37				
Estimated Nitrogen Release lb/A		67				
ANIONS	SOLUBLE SULFUR* ppm	23				
	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	156 34				
EXCHANGEABLE CATIONS	CALCIUM* lb/A ppm	3054 1527				
	MAGNESIUM* lb/A ppm	250 125				
	POTASSIUM* lb/A ppm	458 229				
	SODIUM* lb/A ppm	240 120				
	BASE SATURATION PERCENT					
	Calcium %	75.00				
	Magnesium %	10.23				
	Potassium %	5.77				
	Sodium %	5.13				
	Other Bases %	3.90				
	Hydrogen %	0.00				
EXTRACTABLE MINORS						
	Boron M3 (ppm)					
	Iron** (ppm)	37				
	Manganese** (ppm)	3				
	Copper** (ppm)	1.50				
	Zinc** (ppm)	4.47				
	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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SOIL AUDIT AND INVENTORY REPORT

Name Tucson Country Club City Tucson State AZ

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Sample Location <u>GREEN</u>		1				
Sample Identification						
Lab Number		0148-1				
Total Exchange Capacity (ME/100 g)		7.36				
pH (H ₂ O 1:1)		a 7.8				
Organic Matter (360°C LOI) %		0.80				
Estimated Nitrogen Release lb/A		32				
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	78 17				
EXCHANGEABLE CATIONS	CALCIUM* lb/A ppm	2134 1067				
	MAGNESIUM* lb/A ppm	166 83				
	POTASSIUM* lb/A ppm	568 284				
	SODIUM* lb/A ppm	156 78				
	BASE SATURATION PERCENT					
	Calcium %	72.49				
	Magnesium %	9.40				
	Potassium %	9.89				
	Sodium %	4.61				
	Other Bases %	3.60				
	Hydrogen %	0.00				
EXTRACTABLE MINORS						
	Boron M3 (ppm)					
	Iron** (ppm)	8				
	Manganese** (ppm)	2				
	Copper** (ppm)	1.40				
	Zinc** (ppm)	4.55				
	Aluminum (ppm)					
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

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Sample Location		TEE	1				
Sample Identification							
Lab Number			0149-1				
Total Exchange Capacity (ME/100 g)			10.56				
pH (H ₂ O 1:1)			a 7.4				
Organic Matter (360°C LOI) %			2.56				
Estimated Nitrogen Release lb/A			71				
ANIONS	SOLUBLE SULFUR* ppm		17				
	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	87 19				
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	3360 1680				
	MAGNESIUM*	lb/A ppm	246 123				
	POTASSIUM*	lb/A ppm	232 116				
	SODIUM*	lb/A ppm	190 95				
	BASE SATURATION PERCENT						
	Calcium %		79.55				
	Magnesium %		9.71				
	Potassium %		2.82				
	Sodium %		3.91				
	Other Bases %		4.00				
	Hydrogen %		0.00				
EXTRACTABLE MINORS							
	Boron M3 (ppm)						
	Iron** (ppm)		26				
	Manganese** (ppm)		3				
	Copper** (ppm)		1.15				
	Zinc** (ppm)		6.98				
	Aluminum (ppm)						
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						

a - alkaline soil

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** DTPA Extractable