

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name Tucson Country Club City Tucson State AZ

Independent Consultant Soil and Water Consulting Date 9/20/2017

Sample Location			TEE		17			
Sample Identification								
Lab Number					0517-1			
Total Exchange Capacity (ME/100 g)					10.47			
pH (H ₂ O 1:1)					6.7			
Organic Matter (360°C LOI) %					2.93			
Estimated Nitrogen Release				lb/A	79			
ANIONS	SOLUBLE SULFUR*			ppm	116			
	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	41 9			
EXCHANGEABLE CATIONS	CALCIUM*		lb/A		3044			
			ppm		1522			
	MAGNESIUM*		lb/A		214			
			ppm		107			
	POTASSIUM*		lb/A		404			
			ppm		202			
	SODIUM*		lb/A		226			
			ppm		113			
BASE SATURATION PERCENT								
Calcium				%	72.68			
Magnesium				%	8.52			
Potassium				%	4.95			
Sodium				%	4.69			
Other Bases				%	4.70			
Hydrogen				%	4.50			
EXTRACTABLE MINORS								
Boron M3 (ppm)								
Iron** (ppm)					59			
Manganese** (ppm)					19			
Copper** (ppm)					1.42			
Zinc** (ppm)					8.60			
Aluminum (ppm)								
OTHER TESTS	Soluble Salts (mmhos/cm)							
	Chlorides (ppm)							

* Ammonium Acetate Extractable (pH of 8.1)

** DTPA Extractable

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Sample Location <u>FAIRWAY</u>			17			
Sample Identification						
Lab Number			0518-1			
Total Exchange Capacity (ME/100 g)			12.75			
pH (H ₂ O 1:1)			a 7.7			
Organic Matter (360°C LOI) %			2.99			
Estimated Nitrogen Release lb/A			80			
ANIONS	SOLUBLE SULFUR* ppm		49			
	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	41 9			
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	3950 1975			
	MAGNESIUM*	lb/A ppm	258 129			
	POTASSIUM*	lb/A ppm	594 297			
	SODIUM*	lb/A ppm	260 130			
	BASE SATURATION PERCENT					
	Calcium %		77.45			
	Magnesium %		8.43			
	Potassium %		5.97			
	Sodium %		4.43			
	Other Bases %		3.70			
	Hydrogen %		0.00			
EXTRACTABLE MINORS						
	Boron M3 (ppm)					
	Iron** (ppm)		21			
	Manganese** (ppm)		5			
	Copper** (ppm)		2.67			
	Zinc** (ppm)		4.82			
	Aluminum (ppm)					
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

a - alkaline soil

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** 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>			17			
Sample Identification						
Lab Number			0519-1			
Total Exchange Capacity (ME/100 g)			7.88			
pH (H ₂ O 1:1)			a 7.8			
Organic Matter (360°C LOI) %			0.66			
Estimated Nitrogen Release lb/A			26			
ANIONS	SOLUBLE SULFUR* ppm		24			
	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	41 9			
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	2270 1135			
	MAGNESIUM*	lb/A ppm	176 88			
	POTASSIUM*	lb/A ppm	666 333			
	SODIUM*	lb/A ppm	154 77			
	BASE SATURATION PERCENT					
	Calcium %		72.02			
	Magnesium %		9.31			
	Potassium %		10.84			
	Sodium %		4.25			
	Other Bases %		3.60			
	Hydrogen %		0.00			
EXTRACTABLE MINORS						
	Boron M3 (ppm)					
	Iron** (ppm)		7			
	Manganese** (ppm)		2			
	Copper** (ppm)		1.64			
	Zinc** (ppm)		3.97			
	Aluminum (ppm)					
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

a - alkaline soil

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