

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name Tucson Country Club City Tucson State AZ

Independent Consultant Soil and Water Consulting Date 9/14/2016

Sample Location <u>FAIRWAY</u>		7				
Sample Identification						
Lab Number		0101-1				
Total Exchange Capacity (ME/100 g)		11.01				
pH (H ₂ O 1:1)		a 8.0				
Organic Matter (humus) %		2.35				
Estimated Nitrogen Release lb/A		67				
ANIONS	SOLUBLE SULFUR* ppm	47				
	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	46 10				
EXCHANGEABLE CATIONS	CALCIUM* lb/A ppm	3364 1682				
	MAGNESIUM* lb/A ppm	214 107				
	POTASSIUM* lb/A ppm	490 245				
	SODIUM* lb/A ppm	324 162				
BASE SATURATION PERCENT						
	Calcium %	76.39				
	Magnesium %	8.10				
	Potassium %	5.71				
	Sodium %	6.40				
	Other Bases %	3.40				
	Hydrogen %	0.00				
EXTRACTABLE MINORS						
	Boron M3 (ppm)					
	Iron** (ppm)	16				
	Manganese** (ppm)	3				
	Copper** (ppm)	1.94				
	Zinc** (ppm)	4.15				
	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

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Sample Location <u>GREEN</u>		7				
Sample Identification						
Lab Number		0102-1				
Total Exchange Capacity (ME/100 g)		7.18				
pH (H ₂ O 1:1)		a 8.7				
Organic Matter (humus) %		0.42				
Estimated Nitrogen Release lb/A		17				
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	41 9				
EXCHANGEABLE CATIONS	CALCIUM* lb/A ppm	2090 1045				
	MAGNESIUM* lb/A ppm	126 63				
	POTASSIUM* lb/A ppm	706 353				
	SODIUM* lb/A ppm	154 77				
	BASE SATURATION PERCENT					
Calcium %	72.77					
Magnesium %	7.31					
Potassium %	12.61					
Sodium %	4.66					
Other Bases %	2.70					
Hydrogen %	0.00					
EXTRACTABLE MINORS						
	Boron M3 (ppm)					
	Iron** (ppm)	7				
	Manganese** (ppm)	2				
	Copper** (ppm)	1.50				
	Zinc** (ppm)	2.98				
	Aluminum (ppm)					
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

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Sample Location		TEE	7				
Sample Identification							
Lab Number			0103-1				
Total Exchange Capacity (ME/100 g)			11.29				
pH (H ₂ O 1:1)			a 8.4				
Organic Matter (humus) %			2.17				
Estimated Nitrogen Release lb/A			63				
ANIONS	SOLUBLE SULFUR* ppm		34				
	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	3536 1768				
	MAGNESIUM*	lb/A ppm	184 92				
	POTASSIUM*	lb/A ppm	360 180				
	SODIUM*	lb/A ppm	408 204				
BASE SATURATION PERCENT							
Calcium %			78.30				
Magnesium %			6.79				
Potassium %			4.09				
Sodium %			7.86				
Other Bases %			3.00				
Hydrogen %			0.00				
EXTRACTABLE MINORS							
Boron M3 (ppm)							
Iron** (ppm)			12				
Manganese** (ppm)			2				
Copper** (ppm)			1.37				
Zinc** (ppm)			4.63				
Aluminum (ppm)							
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						

a - alkaline soil

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