

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name Tucson Country Club City Tucson State AZ

Independent Consultant Soil and Water Consulting Date 6/30/2016

Sample Location <u>FAIRWAY</u>		6				
Sample Identification						
Lab Number		0175-1				
Total Exchange Capacity (ME/100 g)		16.54				
pH (H ₂ O 1:1)		a 7.7				
Organic Matter (humus) %		3.65				
Estimated Nitrogen Release lb/A		86				
ANIONS	SOLUBLE SULFUR* ppm	71				
	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	5012 2506				
	MAGNESIUM* lb/A ppm	342 171				
	POTASSIUM* lb/A ppm	742 371				
	SODIUM* lb/A ppm	468 234				
	BASE SATURATION PERCENT					
Calcium %	75.76					
Magnesium %	8.62					
Potassium %	5.75					
Sodium %	6.15					
Other Bases %	3.70					
Hydrogen %	0.00					
EXTRACTABLE MINORS						
Boron M3 (ppm)						
Iron** (ppm)		19				
Manganese** (ppm)		5				
Copper** (ppm)		1.37				
Zinc** (ppm)		5.36				
Aluminum (ppm)						
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** DTPA Extractable

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name Tucson Country Club City Tucson State AZ

Independent Consultant Soil and Water Consulting Date 6/30/2016

Sample Location <u>GREEN</u>		6				
Sample Identification						
Lab Number		0176-1				
Total Exchange Capacity (ME/100 g)		8.14				
pH (H ₂ O 1:1)		a 8.2				
Organic Matter (humus) %		0.77				
Estimated Nitrogen Release lb/A		31				
ANIONS	SOLUBLE SULFUR* ppm	12				
	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	60 13				
EXCHANGEABLE CATIONS	CALCIUM* lb/A ppm	2502 1251				
	MAGNESIUM* lb/A ppm	132 66				
	POTASSIUM* lb/A ppm	556 278				
	SODIUM* lb/A ppm	168 84				
	BASE SATURATION PERCENT					
Calcium %	76.84					
Magnesium %	6.76					
Potassium %	8.76					
Sodium %	4.49					
Other Bases %	3.20					
Hydrogen %	0.00					
EXTRACTABLE MINORS						
	Boron M3 (ppm)					
	Iron** (ppm)	6				
	Manganese** (ppm)	2				
	Copper** (ppm)	1.06				
	Zinc** (ppm)	3.20				
	Aluminum (ppm)					
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

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Sample Location		TEE	6				
Sample Identification							
Lab Number			0177-1				
Total Exchange Capacity (ME/100 g)			13.13				
pH (H ₂ O 1:1)			a 7.7				
Organic Matter (humus) %			2.60				
Estimated Nitrogen Release lb/A			72				
ANIONS	SOLUBLE SULFUR* ppm		30				
	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	60 13				
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	4178 2089				
	MAGNESIUM*	lb/A ppm	242 121				
	POTASSIUM*	lb/A ppm	272 136				
	SODIUM*	lb/A ppm	386 193				
BASE SATURATION PERCENT							
Calcium %			79.55				
Magnesium %			7.68				
Potassium %			2.66				
Sodium %			6.39				
Other Bases %			3.70				
Hydrogen %			0.00				
EXTRACTABLE MINORS							
Boron M3 (ppm)							
Iron** (ppm)			19				
Manganese** (ppm)			3				
Copper** (ppm)			1.20				
Zinc** (ppm)			5.30				
Aluminum (ppm)							
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						

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