

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

34998-30

 Name Tucson Country Club City Tucson State AZ

 Independent Consultant Soil and Water Consulting Date 3/30/2021

Sample Location	TEE	9	18			
Sample Identification						
Lab Number		0835-1	0836-1			
Total Exchange Capacity (ME/100 g)		11.02	12.76			
pH (H ₂ O 1:1)		a 8.1	a 7.8			
Organic Matter (360°C LOI) %		3.41	3.51			
Estimated Nitrogen Release lb/A		84	85			
ANIONS	SOLUBLE SULFUR*	ppm	21	20		
	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	69 15	50 11		
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	3496 1748	4076 2038		
	MAGNESIUM*	lb/A ppm	200 100	228 114		
	POTASSIUM*	lb/A ppm	316 158	402 201		
	SODIUM*	lb/A ppm	314 157	298 149		
BASE SATURATION PERCENT						
	Calcium	%	79.31	79.86		
	Magnesium	%	7.56	7.45		
	Potassium	%	3.68	4.04		
	Sodium	%	6.19	5.08		
	Other Bases	%	3.30	3.60		
	Hydrogen	%	0.00	0.00		
EXTRACTABLE MINORS						
	Boron** (ppm)		0.69	1.14		
	Iron** (ppm)		121	90		
	Manganese** (ppm)		28	42		
	Copper** (ppm)		2.34	2.63		
	Zinc** (ppm)		12.95	11.16		
	Aluminum** (ppm)		70	47		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		4.3	10.2		
	NH ₄ -N (ppm)		5.4	5.4		

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

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Sample Location	FAIRWAY	9	18			
Sample Identification						
Lab Number		0837-1	0838-1			
Total Exchange Capacity (ME/100 g)		11.75	9.10			
pH (H ₂ O 1:1)	a	7.7	6.9			
Organic Matter (360°C LOI) %		3.74	3.14			
Estimated Nitrogen Release lb/A		87	81			
ANIONS	SOLUBLE SULFUR*	ppm	28	21		
	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	105 23	147 32		
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	3528 1764	2616 1308		
	MAGNESIUM*	lb/A ppm	254 127	192 96		
	POTASSIUM*	lb/A ppm	514 257	518 259		
	SODIUM*	lb/A ppm	360 180	254 127		
BASE SATURATION PERCENT						
	Calcium	%	75.06	71.87		
	Magnesium	%	9.01	8.79		
	Potassium	%	5.61	7.30		
	Sodium	%	6.66	6.07		
	Other Bases	%	3.70	4.50		
	Hydrogen	%	0.00	1.50		
EXTRACTABLE MINORS						
	Boron** (ppm)		1.08	0.74		
	Iron** (ppm)		136	213		
	Manganese** (ppm)		31	29		
	Copper** (ppm)		2.72	2.61		
	Zinc** (ppm)		10.34	11.61		
	Aluminum** (ppm)		54	105		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		6.8	5.9		
	NH ₄ -N (ppm)		6.5	7.9		

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Sample Location	GREEN	9	18			
Sample Identification						
Lab Number		0839-1	0840-1			
Total Exchange Capacity (ME/100 g)		7.52	6.28			
pH (H ₂ O 1:1)		a 8.0	a 7.5			
Organic Matter (360°C LOI) %		0.83	0.88			
Estimated Nitrogen Release lb/A		33	35			
ANIONS	SOLUBLE SULFUR*	ppm	14	13		
	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	78 17		
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	2138 1069	1740 870		
	MAGNESIUM*	lb/A ppm	172 86	160 80		
	POTASSIUM*	lb/A ppm	530 265	452 226		
	SODIUM*	lb/A ppm	242 121	204 102		
BASE SATURATION PERCENT						
	Calcium	%	71.08	69.27		
	Magnesium	%	9.53	10.62		
	Potassium	%	9.04	9.23		
	Sodium	%	7.00	7.06		
	Other Bases	%	3.40	3.90		
	Hydrogen	%	0.00	0.00		
EXTRACTABLE MINORS						
	Boron** (ppm)		0.54	0.51		
	Iron** (ppm)		101	107		
	Manganese** (ppm)		58	72		
	Copper** (ppm)		2.71	3.01		
	Zinc** (ppm)		12.55	13.90		
	Aluminum** (ppm)		231	234		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		0.9	1.4		
	NH ₄ -N (ppm)		3.4	3.6		

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