lb/A

BROOKSIDE LABORATORIES, INC.

34998-34

SOIL AUDIT AND INVENTORY REPORT

Name Tucson Country Club City Tucson State AZ

Independent Consultant Soil and Water Consulting Date 6/16/2022

Sample Location	TEE		6	15			
Sample Identification							
Lab Number			1391-1	1392-1			
Total Exchange Capacity (ME/100 g)			16.59	12.93			
pH (H_2O 1:1)			a 7.5	a 7.8			
Organic Matter (360°C LOI) %			3.39	3.51			
Estimated Nitrogen Release		lb/A	84	85			
ANIONS	SOLUBLE SULFUR*	ppm	41	52			
ANIONS / PHOSPHORUS	MEHLICH III	lb/A P as P_2O_5					
		ppm of P					
	BRAY II	lb/A P as P_2O_5					
		ppm of P					
	OLSEN	lb/A P as P_2O_5	9	18			
		ppm of P	2	4			
EXCHANGEABLE CATIONS	CALCIUM*	lb/A	5444	3992			
		ppm	2722	1996			
	MAGNESIUM*	lb/A	256	240			
		ppm	128	120			
	POTASSIUM*	lb/A	330	318			
		ppm	165	159			
	SODIUM*	lb/A	386	494			
		ppm	193	247			
BASE SATURATION PERCENT							
	Calcium	%	82.04	77.18			
	Magnesium	%	6.43	7.73			
	Potassium	%	2.55	3.15			
	Sodium	%	5.06	8.31			
	Other Bases	%	3.90	3.60			
	Hydrogen	%	0.00	0.00			
EXTRACTABLE MINORS							
	Boron** (ppm)		1.10	1.19			
	Iron** (ppm)		108	124			
	Manganese** (ppm)		62	55			
	Copper** (ppm)		3.57	2.83			
	Zinc** (ppm)		12.39	13.45			
	Aluminum** (ppm)		143	110			
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO3-N (ppm)		9.3	7.2			
	NH4-N (ppm)		1.1	1.9			

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

lb/A

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Name Tucson Country Club City Tucson State AZ

Independent Consultant Soil and Water Consulting Date 6/16/2022

Sample Location	FAIRWAY		6	15			
Sample Identification							
Lab Number			1393-1	1394-1			
Total Exchange Capacity (ME/100 g)			20.60	10.25			
pH (H_2O 1:1)			a 7.7	7.0			
Organic Matter (360°C LOI) %			4.13	3.05			
Estimated Nitrogen Release		lb/A	91	80			
ANIONS	SOLUBLE SULFUR*	ppm	63	46			
ANIONS / PHOSPHORUS	MEHLICH III	lb/A P as P_2O_5					
		ppm of P					
	BRAY II	lb/A P as P_2O_5					
		ppm of P					
	OLSEN	lb/A P as P_2O_5	9	78			
		ppm of P	2	17			
EXCHANGEABLE CATIONS	CALCIUM*	lb/A	6558	2890			
		ppm	3279	1445			
	MAGNESIUM*	lb/A	336	234			
		ppm	168	117			
	POTASSIUM*	lb/A	788	496			
		ppm	394	248			
	SODIUM*	lb/A	476	442			
		ppm	238	221			
BASE SATURATION PERCENT							
	Calcium	%	79.59	70.49			
	Magnesium	%	6.80	9.51			
	Potassium	%	4.90	6.20			
	Sodium	%	5.02	9.37			
	Other Bases	%	3.70	4.40			
	Hydrogen	%	0.00	0.00			
EXTRACTABLE MINORS							
	Boron** (ppm)		1.81	0.97			
	Iron** (ppm)		99	213			
	Manganese** (ppm)		69	28			
	Copper** (ppm)		3.46	2.86			
	Zinc** (ppm)		12.25	11.05			
	Aluminum** (ppm)		51	172			
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO3-N (ppm)		19.3	3.5			
	NH4-N (ppm)		0.6	0.6			

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** Mehlich III Extractable

lb/A

BROOKSIDE LABORATORIES, INC.

34998-34

SOIL AUDIT AND INVENTORY REPORT

Name Tucson Country Club City Tucson State AZ

Independent Consultant Soil and Water Consulting Date 6/16/2022

Sample Location	GREEN		6	15			
Sample Identification							
Lab Number			1395-1	1396-1			
Total Exchange Capacity (ME/100 g)			8.38	10.11			
pH (H_2O 1:1)			a 7.8	a 7.9			
Organic Matter (360°C LOI) %			0.96	0.81			
Estimated Nitrogen Release		lb/A	38	32			
ANIONS	SOLUBLE SULFUR*	ppm	18	31			
ANIONS / PHOSPHORUS	MEHLICH III	lb/A P as P_2O_5					
		ppm of P					
	BRAY II	lb/A P as P_2O_5					
		ppm of P					
	OLSEN	lb/A P as P_2O_5	27	55			
		ppm of P	6	12			
EXCHANGEABLE CATIONS	CALCIUM*	lb/A	2430	2846			
		ppm	1215	1423			
	MAGNESIUM*	lb/A	192	276			
		ppm	96	138			
	POTASSIUM*	lb/A	558	746			
		ppm	279	373			
	SODIUM*	lb/A	224	248			
		ppm	112	124			
BASE SATURATION PERCENT							
	Calcium	%	72.49	70.38			
	Magnesium	%	9.55	11.37			
	Potassium	%	8.54	9.46			
	Sodium	%	5.81	5.33			
	Other Bases	%	3.60	3.50			
	Hydrogen	%	0.00	0.00			
EXTRACTABLE MINORS							
	Boron** (ppm)		0.73	0.82			
	Iron** (ppm)		124	126			
	Manganese** (ppm)		97	82			
	Copper** (ppm)		3.94	4.31			
	Zinc** (ppm)		16.02	16.98			
	Aluminum** (ppm)		313	315			
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO3-N (ppm)		1.0	1.4			
	NH4-N (ppm)		0.7	0.7			

a - alkaline soil

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** Mehlich III Extractable