

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

76006-7

Name Ramblewood Country Club City Mount Laurel State NJ

Independent Consultant Soil and Water Consulting Date 5/25/2023

Sample Location	BLUE COURSE	TEE	FAIRWAY	GREEN		
Sample Identification		3	3	3		
Lab Number		1269-1	1270-1	1271-1		
Total Exchange Capacity (ME/100 g)		7.50	7.32	5.96		
pH	Buffer (SMP/Sikora)	7.0	7.3	7.3		
	H ₂ O (1:1)	5.1	6.2	5.8		
Organic Matter (360°C LOI) %		2.61	3.26	2.64		
Estimated Nitrogen Release	lb/A	72	83	73		
ANIONS	SOLUBLE SULFUR*					
	ppm	59	13	65		
	MEHLICH III lb/A P as P ₂ O ₅	1374	1159	1040		
	ppm of P	300	253	227		
	BRAY II lb/A P as P ₂ O ₅					
	ppm of P					
EXCHANGEABLE CATIONS	OLSEN lb/A P as P ₂ O ₅					
	ppm of P					
	CALCIUM* lb/A	1034	1936	1370		
	ppm	517	968	685		
	MAGNESIUM* lb/A	160	218	132		
BASE SATURATION PERCENT	ppm	80	109	66		
	POTASSIUM* lb/A	316	158	216		
	ppm	158	79	108		
	SODIUM* lb/A	70	50	52		
	ppm	35	25	26		
BASE SATURATION PERCENT						
	Calcium %	34.47	66.12	57.47		
	Magnesium %	8.89	12.41	9.23		
	Potassium %	5.40	2.77	4.65		
	Sodium %	2.03	1.48	1.90		
	Other Bases %	7.20	5.20	5.80		
	Hydrogen %	42.00	12.00	21.00		
EXTRACTABLE MINORS						
	Boron* (ppm)	0.67	0.81	0.85		
	Iron* (ppm)	701	612	722		
	Manganese* (ppm)	16	10	19		
	Copper* (ppm)	2.55	0.56	2.99		
	Zinc* (ppm)	8.08	9.04	14.17		
	Aluminum* (ppm)	684	376	295		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)	1.3	< 0.5	1.1		
	NH ₄ -N (ppm)	3.8	1.0	2.4		

* Mehlich III Extractable

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Sample Location	RED COURSE	TEE	FAIRWAY	GREEN		
Sample Identification		3	3	3		
Lab Number		1272-1	1273-1	1274-1		
Total Exchange Capacity (ME/100 g)		9.55	8.98	7.41		
pH	Buffer (SMP/Sikora)	7.2	7.3	7.2		
	H ₂ O (1:1)	5.8	6.4	6.0		
Organic Matter (360°C LOI) %		4.46	3.88	3.11		
Estimated Nitrogen Release	lb/A	95	89	81		
ANIONS	SOLUBLE SULFUR*					
	ppm	62	20	54		
	MEHLICH III lb/A P as P ₂ O ₅	1301	1736	1507		
	ppm of P	284	379	329		
	BRAY II lb/A P as P ₂ O ₅					
	ppm of P					
EXCHANGEABLE CATIONS	OLSEN lb/A P as P ₂ O ₅					
	ppm of P					
	CALCIUM* lb/A	2030	2436	1896		
	ppm	1015	1218	948		
	MAGNESIUM* lb/A	290	266	174		
BASE SATURATION PERCENT	ppm	145	133	87		
	POTASSIUM* lb/A	418	296	232		
	ppm	209	148	116		
	SODIUM* lb/A	80	68	62		
	ppm	40	34	31		
BASE SATURATION PERCENT						
	Calcium %	53.14	67.82	63.97		
	Magnesium %	12.65	12.34	9.78		
	Potassium %	5.61	4.23	4.01		
	Sodium %	1.82	1.65	1.82		
	Other Bases %	5.80	5.00	5.40		
	Hydrogen %	21.00	9.00	15.00		
EXTRACTABLE MINORS						
	Boron* (ppm)	0.64	0.78	0.68		
	Iron* (ppm)	695	556	869		
	Manganese* (ppm)	11	9	13		
	Copper* (ppm)	2.55	2.99	2.86		
	Zinc* (ppm)	13.33	5.30	20.75		
	Aluminum* (ppm)	577	756	392		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)	0.8	0.8	2.3		
	NH ₄ -N (ppm)	2.6	1.8	2.5		

* Mehlich III Extractable