

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

90018-2

Name Brooklake Country Club City Florham Park State NJ

Independent Consultant Soil and Water Consulting Date 8/7/2023

Sample Location	GREEN	9	3	6	14	
Sample Identification						
Lab Number		0238-1	0239-1	0240-1	0241-1	
Total Exchange Capacity (ME/100 g)		3.72	9.28	2.42	7.53	
pH	Buffer (SMP/Sikora)	7.4	7.4	7.5	7.2	
	H ₂ O (1:1)	6.7	6.7	6.6	6.6	
Organic Matter (360°C LOI) %		1.81	3.31	0.86	2.61	
Estimated Nitrogen Release	lb/A	56	83	34	72	
ANIONS	SOLUBLE SULFUR*					
	ppm	7	16	6	15	
	MEHLICH III lb/A P as P ₂ O ₅	311	1145	151	1021	
	ppm of P	68	250	33	223	
	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					
EXCHANGEABLE CATIONS	CALCIUM*	lb/A	1066	2784	652	2232
	ppm		533	1392	326	1116
	MAGNESIUM*	lb/A	120	258	90	188
	ppm		60	129	45	94
	POTASSIUM*	lb/A	98	152	52	122
	ppm		49	76	26	61
	SODIUM*	lb/A	42	90	38	92
	ppm		21	45	19	46
BASE SATURATION PERCENT						
Calcium	%	71.64	75.00	67.36	74.10	
Magnesium	%	13.44	11.58	15.50	10.40	
Potassium	%	3.38	2.10	2.75	2.08	
Sodium	%	2.45	2.11	3.41	2.66	
Other Bases	%	4.70	4.70	4.80	4.80	
Hydrogen	%	4.50	4.50	6.00	6.00	
EXTRACTABLE MINORS						
Boron* (ppm)		0.37	0.75	< 0.20	0.59	
Iron* (ppm)		225	382	103	361	
Manganese* (ppm)		11	18	10	17	
Copper* (ppm)		17.72	13.85	9.24	13.94	
Zinc* (ppm)		10.44	17.23	5.18	14.73	
Aluminum* (ppm)		155	403	113	374	
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)	3.4	5.2	2.8	4.8	
	NH ₄ -N (ppm)	1.9	1.0	1.1	1.4	

* Mehlich III Extractable