

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name Jumping Brook Country Club City Neptune State NJ

Independent Consultant Soil and Water Consulting Date 7/13/2020

Sample Location <u>GREEN</u>		8	11	14	17	
Sample Identification						
Lab Number		0457-1	0458-1	0459-1	0460-1	
Total Exchange Capacity (ME/100 g)		10.35	9.89	9.16	10.05	
pH	Buffer (SMP/Sikora)	7.4	7.5	7.4	7.5	
	H ₂ O (1:1)	6.6	6.3	6.6	6.2	
Organic Matter (360°C LOI) %		4.84	4.08	4.76	4.30	
Estimated Nitrogen Release lb/A		98	91	98	93	
ANIONS	SOLUBLE SULFUR*	ppm	41	80	39	51
	PHOSPHORUS	MEHLICH III lb/A P as P ₂ O ₅ ppm of P	1324	1337	1333	1360
			289	292	291	297
		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	3090	2812	2668	2762
		ppm	1545	1406	1334	1381
	MAGNESIUM*	lb/A	242	174	214	184
		ppm	121	87	107	92
	POTASSIUM*	lb/A	274	340	340	348
		ppm	137	170	170	174
	SODIUM*	lb/A	66	72	78	92
		ppm	33	36	39	46
	BASE SATURATION PERCENT					
	Calcium	%	74.64	71.08	72.82	68.71
	Magnesium	%	9.74	7.33	9.73	7.63
	Potassium	%	3.39	4.41	4.76	4.44
	Sodium	%	1.39	1.58	1.85	1.99
	Other Bases	%	4.80	5.10	4.80	5.20
	Hydrogen	%	6.00	10.50	6.00	12.00
EXTRACTABLE MINORS						
Boron* (ppm)		0.73	0.71	0.61	0.63	
Iron* (ppm)		394	461	417	475	
Manganese* (ppm)		48	57	39	70	
Copper* (ppm)		2.28	1.70	1.70	2.27	
Zinc* (ppm)		19.44	15.01	44.52	16.92	
Aluminum* (ppm)		454	413	417	338	
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)	0.8	0.6	< 0.5	< 0.5	
	NH ₄ -N (ppm)	14.6	16.1	6.8	2.8	

* Mehlich III Extractable