

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name Canyon Gate Country Club City Las Vegas State NV

Independent Consultant Soil and Water Consulting Date 6/15/2016

Sample Location <u>GREEN</u>		3	5	8	9	12
Sample Identification						
Lab Number		0089-1	0090-1	0091-1	0092-1	0093-1
Total Exchange Capacity (ME/100 g)		9.42	9.34	9.10	9.32	9.38
pH (H ₂ O 1:1)		a 7.6	a 7.8	a 8.2	a 7.6	a 7.6
Organic Matter (humus) %		0.70	0.75	0.98	0.75	0.73
Estimated Nitrogen Release lb/A		28	30	39	30	29
ANIONS	SOLUBLE SULFUR* ppm	104	61	98	79	67
	PHOSPHORUS 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	137 30	256 56	183 40	229 50	206 45
EXCHANGEABLE CATIONS	CALCIUM* lb/A ppm	3052 1526	3038 1519	2964 1482	2998 1499	3022 1511
	MAGNESIUM* lb/A ppm	226 113	220 110	216 108	230 115	232 116
	POTASSIUM* lb/A ppm	186 93	210 105	210 105	196 98	204 102
	SODIUM* lb/A ppm	114 57	102 51	106 53	118 59	110 55
BASE SATURATION PERCENT						
Calcium %		81.00	81.32	81.43	80.42	80.54
Magnesium %		10.00	9.81	9.89	10.28	10.31
Potassium %		2.53	2.88	2.96	2.70	2.79
Sodium %		2.63	2.37	2.53	2.75	2.55
Other Bases %		3.80	3.60	3.20	3.80	3.80
Hydrogen %		0.00	0.00	0.00	0.00	0.00
EXTRACTABLE MINORS						
Boron M3 (ppm)						
Iron** (ppm)		6	7	7	8	8
Manganese** (ppm)		3	3	5	4	4
Copper** (ppm)		0.60	0.91	0.91	1.13	0.89
Zinc** (ppm)		3.80	5.87	6.69	8.83	8.63
Aluminum (ppm)						
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** DTPA Extractable

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Sample Location <u>GREEN</u>		16	17	18	PG	
Sample Identification						
Lab Number		0094-1	0095-1	0096-1	0097-1	
Total Exchange Capacity (ME/100 g)		8.41	8.56	9.34	8.62	
pH (H ₂ O 1:1)		a 7.9	a 7.7	a 7.6	a 8.2	
Organic Matter (humus) %		0.71	0.79	0.74	0.60	
Estimated Nitrogen Release lb/A		28	32	30	24	
ANIONS	SOLUBLE SULFUR* ppm	44	56	58	46	
	PHOSPHORUS 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	160 35	165 36	197 43	293 64	
EXCHANGEABLE CATIONS	CALCIUM* lb/A ppm	2762 1381	2720 1360	2964 1482	2810 1405	
	MAGNESIUM* lb/A ppm	200 100	234 117	240 120	218 109	
	POTASSIUM* lb/A ppm	142 71	186 93	164 82	156 78	
	SODIUM* lb/A ppm	92 46	106 53	168 84	98 49	
BASE SATURATION PERCENT						
Calcium %		82.10	79.44	79.34	81.50	
Magnesium %		9.91	11.39	10.71	10.54	
Potassium %		2.16	2.79	2.25	2.32	
Sodium %		2.38	2.69	3.91	2.47	
Other Bases %		3.50	3.70	3.80	3.20	
Hydrogen %		0.00	0.00	0.00	0.00	
EXTRACTABLE MINORS						
Boron M3 (ppm)						
Iron** (ppm)		6	8	8	7	
Manganese** (ppm)		2	4	4	4	
Copper** (ppm)		0.64	0.81	0.91	0.79	
Zinc** (ppm)		4.59	7.53	6.88	5.80	
Aluminum (ppm)						
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

a - alkaline soil

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