

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

47746-38

Name Dragon Ridge C.C. City Henderson State NVIndependent Consultant Soil and Water Consulting Date 10/23/2023

Sample Location <u>GREEN</u>			2	4	13	18	
Sample Identification							
Lab Number			0442-1	0443-1	0444-1	0445-1	
Total Exchange Capacity (ME/100 g)			6.47	7.27	6.42	5.72	
pH (H ₂ O 1:1)			a 7.8	a 7.6	a 7.5	a 7.7	
Organic Matter (360°C LOI) %			0.58	0.63	0.94	1.20	
Estimated Nitrogen Release lb/A			23	25	38	44	
ANIONS	SOLUBLE SULFUR* ppm		16	15	15	24	
	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		14 3	82 18	96 21	50 11	
EXCHANGEABLE CATIONS	CALCIUM* lb/A ppm		1948 974	2322 1161	1962 981	1724 862	
	MAGNESIUM* lb/A ppm		228 114	192 96	200 100	192 96	
	POTASSIUM* lb/A ppm		170 85	160 80	206 103	176 88	
	SODIUM* lb/A ppm		90 45	86 43	76 38	80 40	
	BASE SATURATION PERCENT						
	Calcium %		75.27	79.85	76.40	75.35	
	Magnesium %		14.68	11.00	12.98	13.99	
	Potassium %		3.37	2.82	4.11	3.94	
	Sodium %		3.02	2.57	2.57	3.04	
	Other Bases %		3.60	3.80	3.90	3.70	
	Hydrogen %		0.00	0.00	0.00	0.00	
EXTRACTABLE MINORS							
Boron** (ppm)			< 0.20	< 0.20	< 0.20	< 0.20	
Iron** (ppm)			52	57	61	51	
Manganese** (ppm)			28	39	29	34	
Copper** (ppm)			< 0.2	0.39	0.72	0.20	
Zinc** (ppm)			0.81	2.66	1.63	0.97	
Aluminum** (ppm)			33	48	26	32	
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)		3.6	4.5	7.4	6.9	
	NH ₄ -N (ppm)		< 0.5	< 0.5	< 0.5	< 0.5	

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable