

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

47746-41

Name Dragon Ridge C.C. City Henderson State NVIndependent Consultant Soil and Water Consulting Date 10/9/2024

Sample Location	TEE	2	11			
Sample Identification						
Lab Number		0199-1	0200-1			
Total Exchange Capacity (ME/100 g)		11.58	9.11			
pH (H ₂ O 1:1)		a 7.9	a 7.6			
Organic Matter (360°C LOI) %		3.24	3.29			
Estimated Nitrogen Release lb/A		82	83			
ANIONS	SOLUBLE SULFUR*	ppm	53	55		
	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	174 38	151 33		
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	3388 1694	2586 1293		
	MAGNESIUM*	lb/A ppm	386 193	322 161		
	POTASSIUM*	lb/A ppm	276 138	224 112		
	SODIUM*	lb/A ppm	340 170	310 155		
BASE SATURATION PERCENT						
	Calcium	%	73.14	70.97		
	Magnesium	%	13.89	14.73		
	Potassium	%	3.06	3.15		
	Sodium	%	6.38	7.40		
	Other Bases	%	3.50	3.80		
	Hydrogen	%	0.00	0.00		
EXTRACTABLE MINORS						
	Boron** (ppm)		1.16	1.15		
	Iron** (ppm)		133	192		
	Manganese** (ppm)		48	30		
	Copper** (ppm)		7.23	8.05		
	Zinc** (ppm)		19.02	21.21		
	Aluminum** (ppm)		11	71		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		9.5	4.5		
	NH ₄ -N (ppm)		< 0.5	2.2		

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

47746-41

Name Dragon Ridge C.C. City Henderson State NVIndependent Consultant Soil and Water Consulting Date 10/9/2024

Sample Location	FAIRWAY	2	11			
Sample Identification						
Lab Number		0201-1	0202-1			
Total Exchange Capacity (ME/100 g)		11.79	9.22			
pH (H ₂ O 1:1)		a 7.6	a 7.7			
Organic Matter (360°C LOI) %		2.90	2.21			
Estimated Nitrogen Release lb/A		78	64			
ANIONS	SOLUBLE SULFUR*	ppm	131	148		
	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	307 67	302 66		
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	3350 1675	2524 1262		
	MAGNESIUM*	lb/A ppm	376 188	310 155		
	POTASSIUM*	lb/A ppm	262 131	238 119		
	SODIUM*	lb/A ppm	488 244	448 224		
BASE SATURATION PERCENT						
	Calcium	%	71.03	68.44		
	Magnesium	%	13.29	14.01		
	Potassium	%	2.85	3.31		
	Sodium	%	9.00	10.56		
	Other Bases	%	3.80	3.70		
	Hydrogen	%	0.00	0.00		
EXTRACTABLE MINORS						
	Boron** (ppm)		1.44	1.64		
	Iron** (ppm)		224	194		
	Manganese** (ppm)		39	23		
	Copper** (ppm)		4.77	4.65		
	Zinc** (ppm)		20.76	20.54		
	Aluminum** (ppm)		35	67		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		8.4	28.8		
	NH ₄ -N (ppm)		1.7	< 0.5		

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

47746-41

Name Dragon Ridge C.C. City Henderson State NVIndependent Consultant Soil and Water Consulting Date 10/9/2024

Sample Location	GREEN	2	11			
Sample Identification						
Lab Number		0203-1	0205-1			
Total Exchange Capacity (ME/100 g)		7.59	7.93			
pH (H ₂ O 1:1)		a 8.7	a 8.4			
Organic Matter (360°C LOI) %		0.75	0.87			
Estimated Nitrogen Release lb/A		30	35			
ANIONS	SOLUBLE SULFUR*	ppm	42	66		
	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	73 16	78 17		
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	2332 1166	2452 1226		
	MAGNESIUM*	lb/A ppm	236 118	250 125		
	POTASSIUM*	lb/A ppm	192 96	154 77		
	SODIUM*	lb/A ppm	148 74	150 75		
BASE SATURATION PERCENT						
	Calcium	%	76.81	77.30		
	Magnesium	%	12.96	13.14		
	Potassium	%	3.24	2.49		
	Sodium	%	4.24	4.11		
	Other Bases	%	2.70	3.00		
	Hydrogen	%	0.00	0.00		
EXTRACTABLE MINORS						
	Boron** (ppm)		0.61	0.59		
	Iron** (ppm)		63	55		
	Manganese** (ppm)		28	31		
	Copper** (ppm)		0.49	0.38		
	Zinc** (ppm)		2.71	2.10		
	Aluminum** (ppm)		19	23		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		0.8	< 0.5		
	NH ₄ -N (ppm)		61.6	1.3		

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable